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The GE Works News

January 16, 1931

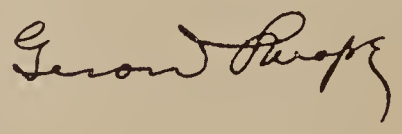
A New Year's Greeting

from

PRESIDENT GERARD SWOPE

NINETEEN-THIRTY has been a difficult year for almost everyone, not only in the United States but one might almost say throughout the world. We in the General Electric Company have not escaped it but in a way have been more fortunate than those in other industries. There is one great thing in being associated with the electrical industry, and especially with the General Electric Company, for it is forward-looking and we are confident that we are going to do things tomorrow that we never dreamed of yesterday. It is this hope and faith that lends zest to life and gives us encouragement for 1931.

To all I extend my very cordial best wishes for a Busy and Happy New Year, full of attainment and satisfaction.



GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 | January 16, 1931 | No. 1

G-E Club Christmas Party Had Many Attractive Kiddies' Features

EVEN though the extremely crowded condition of the gymnasium made it almost impossible for many who attended the G-E Club's Christmas Party, to see and appreciate all of the interesting things which were arranged for the children's pleasure, yet we must give credit to those who worked so hard and faithfully to make it a party which the youngsters would long remember with joy. In the Santa Claus Work Shop, besides the interest in the whirring spindles of the lathes and the whiz of the bandsaws, there were many clever exhibits to amuse the children, namely, the Jiggs with his whistle, the mechanical man that talked, the merry-go-round, the Simple Simon with his pig, and the galloping dinosaurs. The shop-made toy beds, whistles, yoyos, tops, rolling pins, etc., delighted the youngsters who received them. The children's play room across the hall featuring the slides, the Mother Goose house, sand piles, and the maze through which it was troublesome to find the proper path, gave hundreds of children a jolly good time. The electric train, which responded to instructions the children gave it, was constantly surrounded by a mass of youngsters who marveled at the wonders of the device. The motion picture, the radio to Santa Claus, and the brilliantly lighted tree with the balloons and candy treats all added much to the enjoyment of the youngsters. It is regrettable that all could not have visited the gymnasium under more favorable conditions for undoubtedly, if there had not been the great crowd to contend with, everyone would have voted this one of the best Christmas parties ever given by the G-E Club.

The outdoor decorations were, as has been usual in recent years, a joy to thousands who have no direct connection with the General Electric. Many were the discussions among the children as to whether the Santa Claus in the airplane was sure-enough real. Those who may have had their doubts probably were convinced when Old Santa, after the band concert on Christmas eve, appeared on the ground and talked to the crowd of youngsters assembled there to greet him.

The happy home awaiting the arrival of Santa Claus, his approach in the airplane, the beautiful lighting and the Christmas music, gave to the passing visitors a picture of beauty which no doubt will be long remembered. Our appreciation must go out to all who coöperated so unselfishly to make it a truly Merry Christmas here at the G.E.

414789 1930

THE year 1930 at Fort Wayne Works has been one of less activity than that of 1929. Total shipments for 1930 were almost exactly equal to the average of the years '26, '27 and '28 and were 24 per cent less than '29, the greatest in our history.

In 1930, the maximum and minimum number of employees was each greater by substantial margins than corresponding figures for any past year except 1929.

During this period of depression it has been our aim to provide work for the largest number of employees possible under the circumstances, to exercise the utmost fairness in the selection of those to be laid off and, through the Board of Administrators of the Unemployment Pension Plan, to distribute assistance and relief for those in need in a spirit of sympathy and justice. We are encouraged to believe that our employees appreciate and approve our policies and our practices in these matters.

During this past year a six-story addition to Bldg. No. 4 and two single-story additions at Winter Street were completed and provide increased capacity in the Fractional Horsepower and Refrigerator Depts.

Indications are that in certain lines at least, 1931 will show an improvement over 1930.

WALTER GOLL,
Works Manager.



Orrison Stolz



Albert E. Kinsey



William F. Knuth

Suggestion Awards

AN ingenious change in the design of a certain screw which is a part of the apparatus used in the preliminary testing of refrigerating units at Winter Street Plant proved of such value when tried out in practice that Mervin B. Haase, a student engineer who suggested the change, received an award of $50, the largest award made by the Fort Wayne Works Committee on Suggestions during the period Dec. 1 to Dec. 20 inclusive, covered by this report. As Mr. Haase was out of the city we were unable to secure his picture for use with this story.

William F. Knuth, Bldg. 22, thought out a way to improve a certain punch and die, Dwg. 3506045-46, used in the Transformer Division and received $25 award on his suggestion regarding the matter. His idea was to give the punch a serrated edge which improved its cutting action on the particular work involved.

Orrison Stolz, Bldg. 3-1, Winter Street Plant, suggested the design of a simple tool which made it possible to combine two machining operations on screw Dwg. V-3509012, used in the construction of refrigerating machines. The award made Mr. Stolz on this suggestion was $25.

Albert E. Kinsey, of Winter Street Plant, observed that the drawings called for an unnecessary length of leads for certain icing units and suggested that these leads be shortened, with the result that he was the recipient of $25 award.

Other suggestions which brought their authors more than $5 in awards are as follows:

Ross G. Strodel, Bldg. 19-4..... $7.50
Use of die cast cams on CR-2990-A2 thermostats.

Harold A. Norman, Winter St.....$20
Furnishing fixture for riveting DRE-3 evaporator supports.

Howard Wesley, Winter St..... 10
Changes to evacuating tubes on certain icing units.

Lawrence W. Schuter, Bldg. 26-B. 12.50
Furnishing punch and die for certain transformer clamps.

Frank G. Kramer, Bldg. 4-2..... 7:50
Cutting certain tie twine in economical lengths.

Stella M. Rupp, Bldg. 2-3..... 10
Changes to forms FW-659-A and FW-659.

Orren Miller, Bldg. 20-1 10
Changes to plans in connection with the installation of a compressor in Bldg. 26-B. (This award is additional to a previous award of $5).

Leo. F. Didier, Bldg. 19-5 15
Changes to packing of M-14 registers.

Louise Lawson, Bldg. 26-3 15
Changes in the operation of insulating certain transformer coils in Transformer Division.

Five dollar awards were made to the following employees:

Bldg. 4: J. E. Stoller, Arthur L. Bear, Victor Bradbury, John R. Potts, Frank M. Newport, Glen E. Lesh, Robert J. Arnett, (2), Frank G. Kramer, Harry Magner, Dora Lytle, Gayle A. Jones, Edwin L. Moodie.

Bldg. 10: Earl McVey, Herbert W. Schwartz.

Bldg. 12: Charles Crain, Charles Coles, Fred Zehender, Alfred B. Rondot, L. Hopkins, Eveline E. Walters.

Bldg. 17: Argend Denney, Ralph P. Hershberger, Dallas Patton, Leonard Jenne, Harry Charleston.

Bldg. 18: Emery C. Rogers.

Bldg. 19: O. T. Chinnes, Chester E. Langley, Frank Laier, James F. Sarasien, Frank E. Ashbaugh, Ruth M. Baker, Edwin C. Koch, Arthur McNamara, (2), Aaron Spenny, Oliver Tracey, Dorothy A. Jensen, Dorris D. Proxmire, R. C. Hageman, Chris. H. Doenges, George I. Fields.

Bldg. 20: Carl J. Furge, Louis D. Hopper, George Cherry and Erwin E. Hans.

Bldg. 22: Fred Mennewisch.

Bldg. 26: Carl Swanson, Alva Biggs, Elizabeth Mosiman, Nora C. Coburn, Vanessa E. Brinneman, L. W. Schuster, Emma D. Busse, Russell E. Smith, W. Kowalczyk, Walter Duhn, John Smith, Thelma H. Shoup, John Meindl, Frank J. Kopp, Clarence E. Wagner, Emery Spade, Noel Reece, Martina Locher.

Bldg. 27: Paul L. Walker, Everett E. Baughman, David L. Deem.

Winter Street: Harvey Kreamer, Victor Ehrhardt, E. Geller, A. L. Grover, Claude M. Wise, George D. Tegeder, Charles Hess, Lawrence Rupert, Forrest Voorhes, Floyd E. Davidson, Fred F. Ellinger, R. F. Vorndran, Ivan Chas. Webster, Herman M. Russell, Everett Shultz, Bernard Stemen, Bernard H. Eiting, Donald H. Voorhies, B. J. Pearson.

Two Employees Retired

William A. Essig

WILLIAM A. Essig, of the Detail and Switchgear Dept., Bldg. 19-5, was granted a pension and retired from active service on Nov. 13. Mr. Essig's continuous service with the Company dates from Nov. 12, 1910, when he started in at work on a bench. During his entire 20 years of service, Mr. Essig was an employee of the Detail Dept. working first under Foreman Tony Miller, then under Gus Rogge and finally under Charles Strodel. Mr. Essig's home is at 324 E. Jefferson Street.

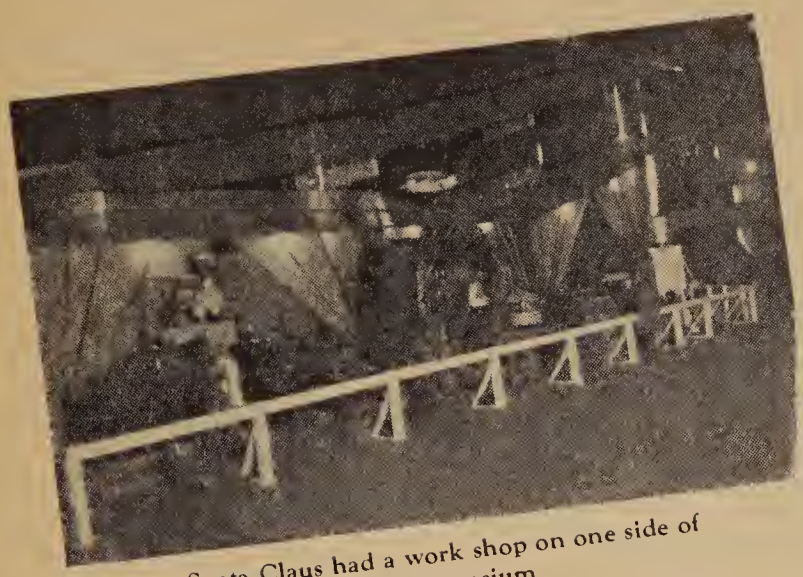


William A. Essig

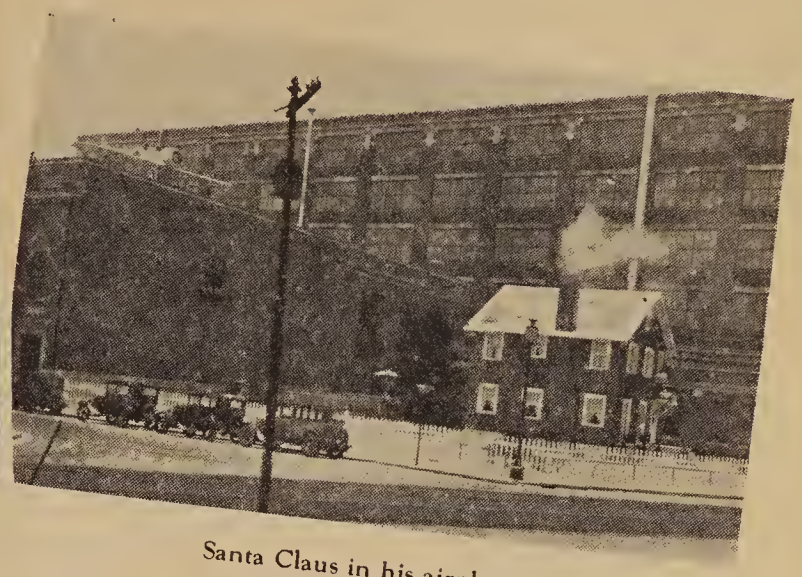
Charles Barber

Charles Barber, of the Carpenter Shop, was retired from service and granted a pension effective Oct. 29. Mr. Barber began work here as a carpenter on Nov. 1, 1900, so that he had approximately 30 years in the Company's service when he arrived at his 70th birthday on Oct. 28. His entire service was in the Carpenter Shop, H. J. Evans being the foreman of that department when Mr. Barber first reported for work. In Dec., 1926, Mr. Barber became a member of the G-E Quarter Century Club and at that time was operating a box-making machine, work on which he continued until his retirement. Mr. Barber's home is at 1131 Wilt St.

When Santa Paid His Visit to the G-E Club



Santa Claus had a work shop on one side of the gymnasium



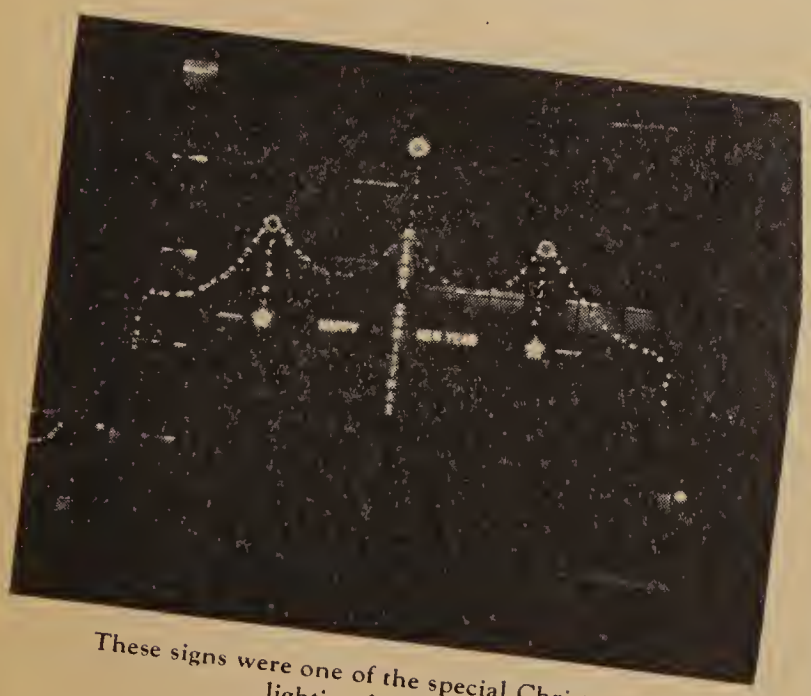
Santa Claus in his airplane



The crowd at the party



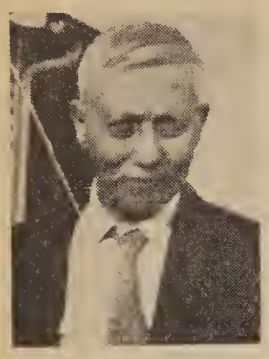
The gymnasium was decorated gaily



These signs were one of the special Christmas lighting features



Another lighted building and a bright Christmas tree



George Chapman



Anthony Stark

Deaths

George Chapman

GEORGE Chapman, 84, who was in the employ of our Company here from 1902 to 1920, died Dec. 13 at St. Joseph's Hospital from bronchial pneumonia. During his entire period of service Mr. Chapman worked in the main office building, the later years as a print washer in the Blueprint Dept. A daughter, Bessie Chapman, is employed in the Transformer Dept., Bldg. 26-1. The funeral of Mr. Chapman was held from the home at 828 Wilt St. on the afternoon of Dec. 16, Rev. Paul Krauss officiating. Burial was in Lindenwood.

Anthony Stark

Anthony Stark, of the Detail Dept., Bldg. 19-5, died Dec. 27 at the St. Joseph Hospital where he had been taken as a patient after suddenly becoming ill with appendicitis on Dec. 25. Mr. Stark, who was 51 years of age, had been in the employ of the General Electric here since Dec. 16, 1902. For a number of years past he had been working in the Detail Dept. He was admitted to membership in the Quarter Century Club in May, 1928.

The funeral was held from St. Peter's Catholic Church on Dec. 30 with burial in the Catholic cemetery.

Foremen Hold Final Meeting for 1930

THE final meeting of the Foremen's Association for the year 1930 was held on Dec. 18, when association members and local Works department heads were present at a dinner meeting to hear an address by Edward G. Hoffman, vice president of the First and Tri-State National Bank and Trust Co Those who were present at this meeting were guests of Works Manager W. S. Goll, who had secured Mr. Hoffman to discuss the subject "Cycles of Business Depression." Mr. Hoffman's address we believe will be of interest to many who were not present and accordingly we have secured his permission to reproduce it in our WORKS NEWS.

Russell Harruff, the retiring president, formally introduced the new officers. The new president, M. J. Harrigan, announced the standing committees for the year:

Entertainment, F. L. Schafenacher, chairman; W. N. Wehrs, Wilbur Young, Fred Banks, Arthur Kabish and Ralph Craig. *Sick and Relief,* Henry Auman, chairman; C. A. Hartman and Lloyd O'Brien. *Publicity,* I. H. Freeman, Honorary Vice President at Decatur, Charles Langston.

Service Anniversaries

Completion of another year of service may be celebrated in February by the following employees who have served twenty-five or more years continuously:

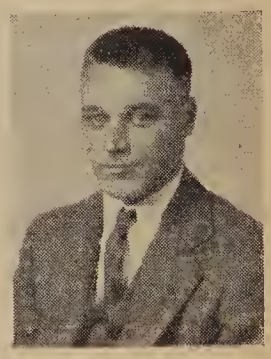
	Continuous Service Began	Years
Simon E. Palmer, 16–3	Feb. 1, 1898	33
William Rayhouser, 4–5	Feb. 9, 1903	28
Frank Quinn, 17–1	Feb. 12, 1904	27
William Maxwell, 10–1	Feb. 13, 1904	27
William F. Melching, 21	Feb. 14, 1898	33
Jacob Trautman, 2–3	Feb. 26, 1891	40



Clyde Barnes



Keith Ross



W. K. Dillman

Three Apprentice Students Graduated

DURING November three students, all of them enrolled for electrical tester training, completed their work in our Apprentice School and received with their diplomas the customary $75 bonus, paid to those who have done satisfactory work in both classroom and shop.

Willis K. Dillman, who received his diploma on Nov. 1, comes from the adjoining county of DeKalb. He had been graduated from the Auburn High School, class of 1926, before enrolling for the apprentice training here. On completing his course he was assigned to work in the Meter Developmental Test in Bldg. 19-4.

Kieth E. Ross, received his diploma as an electrical tester on Nov. 15. His home originally was at Sidney, Indiana, where he attended the grade schools. In 1927 he was graduated from the North Manchester High School and then enrolled in our Apprentice School. Mr. Ross is now employed in the Works Laboratory, Bldg. 28.

Clyde Barnes, the last of these three to finish their apprenticeship, qualified for his diploma on Nov. 29. He came here for the apprentice training after graduating from the LaGro High School in 1927. Mr. Barnes is now employed in Fractional Horsepower Motor Drafting, Bldg. 18-5.

The Unemployment Emergency at Fort Wayne

SINCE Dec. 1, a committee of the local board of administrators of the Unemployment Pension Plan, headed by the chairman, A. R. Vegalues, has been in continuous session interviewing our employees who are out of work, or working less than 50 per cent of normal.

There were over 500 of our employees laid off in the past six months, that is prior to Dec. 1, to whom letters were addressed asking them to come in and discuss their situation with the committee. Since Dec. 1, there have been a number of additional employees laid off.

The rules under the Plan covering payments of benefits were waived because of the fact that no contributing employee had paid into the fund more than 19 weeks of the 26 originally contemplated. But since an emergency condition existed, as pointed out by President Swope, funds have been distributed according to the needs of the individual cases. To those who had contributed to the fund the amounts were paid out as benefits, but to those who were not members of the Plan, loans were granted which will be repaid when the employees are re-engaged and working full time. The maximum payment to any one employee is limited to $15 per week.

In going over the conditions of the individual cases, the committee is happy to report that few cases of extreme need have come to its attention, but that the great majority of cases are of single men and women without anyone depending directly on them for support, which indicates clearly that our supervisors are using rare judgment in selecting those to be laid off, retaining in service so far as is practicable the older employees and those having dependents. All applications are considered for a maximum of four weeks' duration because we do not know how long the emergency will exist, therefore renewals of applications must be made when the original period expires if the financial condition of the employee is such as to warrant additional payments.

The members of the committee, as well as the entire board of administrators, appreciate the fine cooperation they have received from the supervisory force as well as the executives of the Works, and from the Pay Roll Dept., which has had considerable extra work in assisting the committee in making disbursements of funds. As stated in the Plan, the General Electric Company not only contributes one-half of the fund, but in addition pays all the expense of administering the fund. We feel confident that this work is highly appreciated by our unemployed as well as others in our community.

New M.B.A. Officers Who Took Office January 1 and Will Serve During 1931

Sec.	Chairman	Location	Tel.	Secretary-Treasurer	Location	Tel.	Vice-chairman	Location	Tel.
1	John Wefel	18-B	226	Mary Occleston	18-1	501	Paul Dannecker	18-2	445
3	Carl Saaf	7-2	203	Alma Schneider	7-2	203	George Huber	12-B	338
4	Sam Baumgartner	19-3	481	Herman Doell	19-3	481	Howard Hickman	19-3	481
5	Alfred Bailey	6-3	229	A. C. Walda	6-3	229	J. Moser	6-3	340
6	Ed Glusenkamp	4-5	718	Audrey Ries	4-5	484	William Lamont	4-5	718
7	R. Fawcett	26-1	412	John Garta	26-1	437	Russell Ray	26-1	412
8	Berniece Riley	26-2	499	Henry Greven	26-2	499	William Kline	26-2	278
9	L. Welbaum	26-5	497	Walter Konow	26-5	497	R. Moyer	26-5	497
10	H. Tieman	20-1	625	C. Muggs	20-1	625	C. Brockhail	20-1	625
11	R. Hively	19-1	485	W. Gerdom	19-1	485	S. Kinerk	19-1	485
12	R. L. Dolan	26-4	309	Dorothy Geiger	26-4	309	Otto Roehm	26-4	309
13	Ed Steinau	19-5	255	S. Cunningham	19-5	476	E. Rehnen	19-5	255
14	Frieda Mee	4-1	778	Harry McKee	4-1	778	Walter Prince	4-1	778
15	Fred Roebke	17-3	461	Ernest Etzler	17-3	461	Gustav Mangels	17-3	461
16	Otto Brunner	2-3	406	Charles Slater	2-3	398	W. E. Beer	2-3	398
17	Elmer Schoenlein	19-4	428	Collette Furge	19-4	428	William Moellering	19-4	428
18	Helen Stahl	26-4	656	Charles Dixon	26-4	379	K. Thompson	26-4	354
19	Paul Larenitis	19-2	494	Gladys McMillan	19-2	223	Ronald Christy	19-2	494
20	R. Gollmer	10-1	637	W. McKinney	10-1	637	R. Craig	10-1	637
21	Carl Oberwitte	6-1	233	Marie Helmkamp	6-2	529	Paul Buell	6-1	233
22	C. C. Langston	Decatur	600	Olive Walters	Decatur	600	Arbie Owens	Decatur	600
23	T. L. Wallace	19-3	760	Helen Bleke	19-5	211	A. F. DeLagrange	19-3	347
24	Arthur Suter	26-3	439	Marjorie Altimus	26-3	439	Clarence Meeks	26-3	439
25	Elmer Paul	12-2	739	Roland Walters	12-2	739	William Oswalt	12-2	739
26	Charles Kline	4-4	415	Margaret Yagle	4-4	415	Carl Kaufman	4-4	415
27	Carl Smith	Decatur	600	Miriam Myers	Decatur	600	Edgar Steele	Decatur	600
28	Frank Schultz	27	382	Clara Myers	27	382	Joe Schlotter	27	382
29	A. L. Ulmer	18-4	762	Dorothy Shelly	18-4	578	Paul Breimeier	18-4	297
30	Victor Cartwright	W.S.	676	Martha Schwanz	W.S.	676	Ed Bunting	W.S.	676
31	Frank Quinn	17-1	697	Ed Johnson	17-1	697	Loyal Decker	17-1	697
32	Walter Kryder	17-2	757	Genevieve Ayers	17-2	757	Norbert Gase	17-2	757
33	C. J. LeGras	4-5	484	Floyd Saylor	4-5	484	Marlow Thomas	4-5	484
34	E. J. Cutter	26-1	329	Fred Schmitt	26-1	329	H. Voltz	26-1	329
35	Clyde Haidet	22	457	John Welling	22	457	C. O. Tuttle	22	457
36	Kenneth Mettert	W.S.	676	Agnes Hohman	W.S.	676	Arthur Hickman	W.S.	676
38	George England	26-2	247	Ned Biddle	26-2	247	Claude Barnes	26-2	247
39	Hoy Bastian	26-2	705	Zelma Kuyoth	26-2	705	Elden Braden	26-2	705
40	Frank Kimble	4-3	289	Maxine Woods	4-3	289	Henry Burch	4-3	289
41	William Walt	2-1	598	Bert Herman	4-B	496	John Blakely	4-B	496
42	Louise Jones	4-1	778	Ruth Fuller	4-1	778	Grace Smith	4-1	778
43	Eric Helwig	4-1	778	Clarence Schanebeck	4-1	778	Clarence Schroeder	4-1	778
44	R. Tobias	4-4	415	O. Meyer	4-4	415	R. Hare	4-4	415
45	Newton Poland	17-3	461	Macyl McVay	17-3	455	Charles Winans	17-3	461
46	Alois Schonheinz	17-4	635	Emma Reiling	17-4	635	Ralph Ashton	17-4	635
47	Harry Prange	19-4	236	William Sivits	19-4	710	Andrew Braun	19-4	236
48	Harry Magner	4-2	759	George Fann	4-2	759	John Kramer	4-2	759
49	Thomas McLaughlin	17-2	758	Helen Maloney	17-2	758	Russell Frey	17-2	758

Foremen's Association Hears Talk on Business Cycles

IN the last 100 years of our history in the United States we have had nine business depressions. In the old days we spoke of these business depressions as "panics." Beginning with the year 1837 business has gone through nine cycles of depression and prosperity. The average period between these cycles of depression has been approximately 10 years. Apparently our people, as they pull out of a period of depression into a better state of prosperity, are so satisfied with the change of business and are so interested in the opportunity of better business that their memories fail to recall the depression out of which they have just come, or the business cycles of depression which have gone on heretofore.

It is my purpose tonight to draw your attention to the past 100 business years of the United States with a view of looking at the cycles of depression and prosperity that have come and gone in that time. The economists, business men and historians are not agreed on the exact causes of the nine business depressions we have had in the past 100 years. If you ask the present day economist for his opinion as to the causes of these business depressions, his answer will vary somewhat from the answer of the economist of 50 years ago. The 100 years of business activity in America and the experiences growing out of it have been helpful to our business thinkers in clarifying their opinions a bit in recent years. Hence, as I discuss these various economic periods of depression I will not attempt to give an opinion as to the cause of the depressions, but rather describe the facts as a witness might who testifies to facts in an ordinary trial in court. There are some of you here who have experienced several of these economic depressions, to which I will call your attention. We must go to our books to get the facts of the earlier depressions.

Prior to 1837 our nation was enjoying general prosperity. It was a period of international peace and an era of great territorial and business expansion which led, as usual, to an undue extension of credit and speculation the Erie Canal was completed and opened up the land along the Great Lakes. The National Highway was carrying thousands of people west to take up land; railroad construction had begun in 1830. It was an age of international improvements, and the possibilities of the future seemed unlimited. There was a feverish speculation in the value of land. Its market value frequently rose and there was an eager contest on the part of those who could borrow money to buy for speedy sale at an advanced price,

A paper presented by Edward G. Hoffman, vice president of the First and Tri-State National Bank and Trust Company, Ft. Wayne, before the G-E Foremen's Association meeting on December 18.

or to hold land for future profit. As a result of this situation there was a large expansion of credit. This speculation was not confined to Western lands but extended to the cities and cotton plantations in the Southwest. Assessed valuation of city property in Mobile increased six times in value from 1834 to 1837. Then came the specie order of the Treasury Department that agents for the sale of public land should take for payment only hard money, and no longer receive the notes issued by banks. This order undoubtedly placed a check on land speculation, and there followed the first real business depression in the United States. Then came the depression in value of real estate, failures in business, lowering of the value of stocks and merchandise.

The country reacted from this depression, and from 1846 to 1857 enjoyed great industrial prosperity. The war with Mexico had stimulated expenditures and business, and public finance was affected by the discovery of gold in California. Railroad extensions were continuing rapidly in the West. Each year during this period more than 350,000 immigrants moved into the Western territory. We are told that between 1845 and 1855 more immigrants moved westward from the Eastern coast than in the entire preceding 25 years. Railroads were being constructed at the rate of more than 1000 miles per year. The export business of the United States grew rapidly. The addition of the large territory ceded by Mexico stimulated business. Secretary Walker referred to the period as "a new commercial era."

Then came the economic depression of 1857 with its usual accompanying hardships. The industrial business of the country was practically stopped. While different causes had been assigned for the 1857 depression, it will be noticed that some of the effective causes which led immediately to the suspension of business was over-speculation and the utmost straining of credit. After this the country proceeded to normal business conditions and business was again stimulated by the extraordinary expenditures made necessary by the Civil War.

During the reconstruction period after the Civil War in 1866 our country was again visited by a period of economic depression or slow business. There was a poor grain crop that year; frauds in the revenue department, and a disastrous panic in England; farmers had gone through a period of good prices during the war and were more or less encouraged to larger enterprises thereby. There was a contraction of credit which resulted in lower prices to the farmer, lower wages to labor, and smaller profits, if any, to industry. This depression of 1866 following the Civil War was not unlike a similar experience in our country in the depression of 1930. Business again resumed its normal position and the country went forth on the basis of average prosperity.

Then came the depression of 1873. This is referred to by most economists and historians as the "panic of '73." It was preceded in 1869 with the notorious Black Friday of Wall Street on Sept. 23, when the corner on the supply of gold being built by J. Gould and

James Fiske was broken by reason of the Secretary of the Treasury Boutwell ordering the sale of gold from the United States Treasury. The 1873 cycle was more than a panic. It is spoken of as the beginning of a long period of financial and industrial depression, in many ways the logical outcome of ill-adjusted production and inflated credit. There had been remarkable changes in industry, an enormous expansion of railway construction, vast areas of wheat country were opened, lowering the price of grain. The rapid and unprecedented construction of railways in turn created a demand for iron which led to an over-investment in that industry. Dewey, in his Financial History of the United States, says, "There appeared to be no end to possible opportunities and profits in the industrial world, and new securities were created on a large scale, while prices of all commodities were unduly inflated."

The year 1884 witnessed the next commercial depression. This followed administrative mismanagement of important railway companies, and excessive construction of railways, and a large investment of capital in non-paying enterprises. General conditions did not become as bad as in 1873. The price of farm products lowered at this time to the injury of the farmer. It was thought at that time that the panic was caused by the lack of the volume of money in circulation.

The country recovered from this depression and ran into a new cycle of depression known as the "panic of 1893." I am now talking about a period in which a great many of my listeners had their own personal experiences. You will recall that in this period the business in every part of our then industrial life was more or less disorganized. Clearing house loan certificates were resorted to and extended to cities throughout the country. The production of coal fell off. The output of pig iron fell off 3,000,000 tons in the period of three years. There were one hundred and fifty-six railways operating a mileage of 39,000 miles in the hands of receivers, and among these were the three great railway systems, the Erie, Northern Pacific, and Union Pacific. Dividends paid to stockholders were seriously affected. The market value of securities fell to one-half and one-quarter of their former value. There was general unemployment of labor, and it was at this time that Coxey's army of unemployed marched from Ohio to the City of Washington. The farmer sold his wheat at less than 50 cents a bushel. I think it is generally recognized that the cycles of economic depression of 1873 and 1893 were the two most severe that have ever been experienced in the country during the past 100 years.

The country recovered its normality in business and proceeded for a period of 12 or 13 years under average prosperous conditions. Then came the cycle of depression of 1907, with which we are all familiar.

The country had gone through the Spanish-American War which resulted in a stimulation of industry and general business. Commercial confidence and prosperity began in about 1897 and continued fairly well up to 1907. Business was brought to a standstill in October of 1907 rather unexpectedly. Again the banks resorted to Clearing House certificates. The City of New York was the center of the crisis. Violent speculation in 1906 made heavy demands upon the banks. Discount rates rose to an abnormally high point. There was considerable difficulty in Egypt, Japan and Chili. Money became scarce, credit tightened, railroads were forced to raise funds by the scale of short time notes at higher rates of interest to take care of their obligations. You will recall that the City of New York was embarrassed in finding a market for its new issue of municipal bonds.

As a result of this depression a monetary commission was appointed for the purpose with a view to establish a more elastic currency. Senator Aldrich was the Chairman of this commission. Later in 1913, under the leadership of Senators Glass of Virginia and Owen of Oklahoma, the Federal Reserve Act of 1913 was enacted which gave us our present Federal Reserve Banking System, and also our present Federal Reserve note or currency.

The business of the country was gradually moving out of this valley of depression when the World War was started by virtue of the unfortunate assassination of Archduke Francis Ferdinand, heir to the throne of Austria, which took place in Sarajevo, the capital of Bosnia. Business was given courage and stability by virtue of the passage of the Federal Reserve Act. Between 1907 and 1912 the Panama Canal was constructed. Industry extended its facilities and went into volumes of production greater than ever before. The foreign governments were buying war supplies which resulted in a prosperous condition for general business. Then followed the entry of the United States into the World War in 1917 when again industry and agriculture were called upon for greater production and consequent sales, which raised the prosperity of general business to greater heights. This cycle from 1907 to 1920 witnessed greater business prosperity in the country than ever before.

Then came the depression of 1920 and 1921. Our recollection goes back to 10 years ago, and we felt quite certain at that time that the cause of this depression was general over-production of manufactured products and too large inventories in the factories and on the shelves of the merchants of the country. The result was a great shrinkage in the value of the inventory so accumulated and a consequent loss to industrialists and merchants. The farmer, stimulated by the war demand, was producing more grain and corn than ever before and at a higher price. This high price of farm crops reacted by raising the value of farm land, with a result of over-purchasing and speculating in farm lands. As the result of the depression of 1920 and 1921 farm values dropped and as a consequence thereof prices of farm products were reduced, causing great losses to the farmer.

After 1920 and 1921 the industry and mercantile business of the country again prospered and climbed out of the low point of de-

(Continued on page 14)

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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Vol. 15 January 16, 1931 No. 1

A Dark Cloud But a Silver Lining

IF we can judge the future by the past, there will be in the United States from 90,000 to 100,000 persons meeting death from accidental causes in 1931 and about 11,200,000 persons accidentally injured during the coming year; assuming, of course, that people are just as careless and reckless in 1931 as they have been during past years. These figures seem unbelievable but since they are calculated from data recently compiled by reliable authority, we will do well to accept them and accordingly make strenuous efforts to control accidents during the coming year.

Accident hazards are a menace to our individual happiness in 1931. The probability of many accidents is a cloud on our horizon of happiness as we enter the New Year. The silver lining is the possibility that more people will view this great menace, accidents, with due concern and consequently be more careful in the future. The fight against carelessness and indifference must be aggressive and continuous. We must resolve individually to use greater care in the shop, in the home, and on the highways. Only concerted individual efforts will enable us to end the new year with materially fewer accidents than we have had in preceding years. Resolve to do your part for safety in 1931—and do it!

Quarter Century Club Elects Officers

BY mail ballot, the members of the Quarter Century Club elected the following officers from the list of candidates announced in the Dec. 19 WORKS NEWS: E. A. Barnes, president; F. J. Schwartzkopf, vice president; J. E. Hall, secretary; William F. Melching, treasurer; R. O. Orff and Henry Auman, trustees.

The announcement of the officers elected was made at the annual mid-winter business meeting and smoker held in Bldg. 16-2 on Monday evening, Jan. 5. After routine business matters had been disposed of, light refreshments, cigars and cigarettes were served and a very enjoyable social hour was enjoyed.

Absent Employees

Gerald Scott, Bldg. 4-B, who is a patient at the St. Joseph hospital where he underwent an operation, expects to be able to leave for his home at 739 Runion Ave. soon.

Mrs. Ella McGaffey, Bldg. 16-1, is now at her home 1235 Swinney Ave. after being confined to the hospital for three weeks. She is improving nicely and hopes to be able to return to work soon.

Margery Hoffman, Bldg. 4-4, a patient at the St. Joseph hospital, is improving and hopes to be able to leave the hospital soon.

Elmer Witte, Apparatus Dept., 19-3, is at his home 2123 Oakley St. recovering from an operation.

Dora Mae Nagel, Meter Dept., Bldg. 19-4, is confined by illness to her home at 2110 Wells Street.

Mildred Leazier, Transformer Dept., Bldg. 26-1, is at her home at 2419 Sherman St. recovering from an operation.

Gottlieb Fuchshuber, Power House, Bldg. 9-A, has been sick for several weeks at his home in Ossian.

Macyl McVay, Small Motor Dept., Bldg. 17-3, who has been ill and unable to be at work, resides at 1217 Packard Avenue.

Wesley Andrews, General Service Division Bldg. 20-1, who has been ill with scarlet fever, is improving and he possibly may be able to return to work in a short time.

Clara Kindt, Small Motor Dept., Bldg. 4-1, is confined to her home at 1702 Spy Run Ave. by an injury to her ankle.

Edna Voirol, Accounting Dept., Bldg. 18-2, who has been absent for several months on account of injuries received in an automobile accident, is improving but it probably will be some time before she is able to resume her duties.

Nira Janney, Meter Dept., Bldg. 19-4, is now at her home at 608 N. Washington St. recovering from an operation.



Resolve to do your part for safety in 1931!

G-E Club Social Events For January and February

Jan. 10 - Talking-Motion Picture Show.
Jan. 17 - Dance, G-E Club Orchestra.
Jan. 31 - Talking-Motion Picture Show.
Feb. 14 - Valentine Dance, G-E Club Orchestra
Feb. 28 - Talking-Motion Picture Show.

The motion picture shows will start at 7 and 9 p.m. and the dances at 9 p.m. All of the above entertainments will be held in the Club gymnasium and are for G-E employees, members of their families and guests. The employee's club membership card will admit the club member and family or such guests as the club member may invite.

What the Company Is Doing to Insure Peace of Mind to G-E Employees and their Families, to Stabilize Employment and to Minimize the Effects of Unemployment

President Gerard Swope Outlines Various Plans in Recent Radio Speech

A radio talk given over WGY and an NBC coast-to-coast network from Schenectady, Dec. 16.

FOR many years the General Electric Company has been making constant endeavors, each one a step in a comprehensive program, for removing fear of the future from the minds of the workers in the shops, that is his constant fear of not being able to provide for and take care of his responsibilities, first to his parents, or, if he has taken on further responsibilities, to his wife and children.

The first item to give peace and security of mind is provision for the uncertainty of life. In 1919 Free Group Life Insurance was offered by the Company, to which later was added a participation by the employees, so that the life insurance of each employee has been increased. This has been received very well by all the employees, and all new employees coming into the organization, after five years of service, come under its provisions. The maximum life insurance offered free by the Company is $1500 and the Additional Insurance, paid for by the employee, varies depending upon his age, service and salary, but usually is in the same amount or larger than the free insurance offered by the Company. This has worked out quite satisfactorily and since the inauguration of the plan $6,500,000 has been paid to the families of deceased employees. The organization of the General Electric Company is now so large that there are deaths in its "family" each day, and each month a roster of those departed is published, where it is seen that the reaper has taken young people as well as old. Life insurance in this way does much to ameliorate the tragic circumstance of death and relieves somewhat the hardship of the departure of the family breadwinner, either in whole or in part.

The second matter of importance in assuring peace of mind, not only of the employee but even more frequently of the wife, is the ownership of the home. While the General Electric Company has never been in the position of landlord, it does assist the employees in acquiring or building homes. In the last seven years 2500 homes, worth $19,000,000 have been acquired or built by the employees, with a payment on their part of upwards of $6,000,000, the balance being held in the form of first and second mortgages by regular financial institutions, the Company making provisions so the employees can borrow this money on a favorable basis. To date there has been no loss in connection with this work, either to the banks or the Company.

The third is a plan to enable the worker to put something aside for the inevitable "rainy day." The General Electric Company, like many companies, started with the plan of having employees subscribe to its common stock. But its common stock, of course, is subject to the fluctuations of all stocks and soon after the subscription was offered the market price went down. Many of the employees were frightened and cancelled their subscriptions. Later on the price went up and many thousands of employees saw the opportunity to make a profit and sold their stock, so it was not effective in promoting saving by the employees or having the employees become financially interested in the Company in which they were spending their lives. Therefore, a new company was organized, known as the G.E. Employees Securities Corporation, where the General Electric Company takes the stock risk and the employees subscribe for its bonds. These bonds are not subject to the fluctuations of the market but are redeemable at cost at any time the employee so desires. While these bonds are held by the employee and he is in the active service of the Company, he receives a return of 8 per cent. The employees elect directors who represent them on the Board and are familiar with the transactions taking place, and each year a report of its operations is published. This G. E. Employees Securities Corporation is the largest single holder of General Electric common stock and its other funds are diversified in investments in public utility companies throughout the United States. These companies at the same time are customers of the General Electric Company, so the employees are financially interested not only in the Company for which they work but also its customers. These investments



President Gerard Swope with M. P. Rice, Manager of G.E. Broadcasting, in the Studio of WGY

have been so diversified that the market value even today exceeds the cost, and the income return has always been ample to pay the return on the bonds and stock that have been issued. Upwards of 36,000 employees now hold bonds, with a total value of $41,000,000.

The fourth item to give security and peace of mind is provision for old age. Of course, if each employee made provision, along the line of the above, for death, a home and savings, old age provision, theoretically, might not be necessary, but experience has proven that it is. The General Electric Company in 1912 adopted a Pension Plan which gave a pension to every employee and this has since been supplemented by what we call an Additional Pension Plan, whereby the employee contributed 1½ per cent of his earnings. This will have the effect of increasing his pension on retirement by approximately 50 per cent, so that in some cases the employee may retire on a pension of three-quarters of the income he has received while in the active service of the Company, one-third of this pension being provided by the Additional Pension which he has paid for and the balance by the Pension provisions of the Company. These Pensions are paid from a Trust Fund which has been set aside quite separately and apart from the Company's operations. The amount the employee has put aside in the Additional Pension Plan is always his; if he leaves the Company he receives this money plus interest; if he dies, his beneficiary receives it and if he lives to old age he enjoys it. Since the inauguration of the plan, the Pensions paid to retiring employees have amounted to almost $4,000,000 and there are approximately 1000 on the Pension rolls of the Company at the present time.

The fifth and probably the most important from the standpoint of the worker, is the recurrent dread and fear of unemployment. For years the General Electric Company has been developing methods of stabilizing employment for its workers. This varies, of course, with the product. It is easiest in a standardized line, which does not become obsolescent and does not deteriorate. One such article is the incandescent lamp, where for many years we have been able to avoid unemployment because of seasonal fluctuations by making lamps in the summer time, when fewer lamps are used, storing them and distributing them to our customers in the fall and winter months when the days are shorter.

The other end of the line, and of course very much more difficult, is our engineering products, such as large turbines, where due to the progress of the art or the demands of the customers, no two turbines ordered at different times of the larger sizes are alike and very little can be done on these engineering products in the way of stabilization of employment. Notwithstanding, on the smaller engineering products, in slack times we do make parts that are used generally and interchangeably and place them in stock. The plan has been worked out throughout the Company to further as far as possible this policy of stabilization of employment. Every effort is being made to carry out this plan effectively. The plan lays down certain principles which the management of each Works does its best to follow, first when business is increasing and secondly when work begins to fall off.

But no one company is able to grapple effectively with this problem of cyclical variations in business, so the best that can be done is to have a plan which will ameliorate the hardships when they do arise. Five years ago a plan of unemployment pensions, loans and relief was offered, but at that time employees considered unemployment remote and it was not accepted. This year it was again proposed and received immediate acceptance.

Fundamental in this new plan for relief are the following principles:

1. Joint and equal contributions by employees and the Company.
2. Joint participation in the administration of the plan.
3. Aid through group action to those workers who are in need or require temporary loans, or who become unemployed, or for whom only part-time work is available.
4. In times of unemployment emergency, coöperation and assistance from those employees of the Company not usually affected by unemployment, and assistance by the Company in equal amount.

The plan is adopted by each Works as a unit, by a majority vote of eligible employees. It has now been adopted or is being considered by the employees of all Works. It is of further interest that the plan is quite generally favored by departments which are not usually subject to lay-off in periods of unemployment and whose members would not make normal contributions to the fund, but would contribute during emergencies.

This plan is not final in form or in substance and may be modified by joint action of the employees and the Company. It is an interesting experiment in which the Company is glad to join its employees, first, in endeavoring to find a solution, and, second, in ameliorating the tragic effects of unemployment on particular employees, who are in no sense responsible for their unemployment.

Under the original provisions of this plan as announced last June, no employee was eligible for unemployment benefits under it unless he had made payments of one per cent of wages into the fund for a period of six months. This limitation would have delayed initial payments in the earliest instance until next February. In the light of the emergency now existing the payment of benefits and the extension of loans to unemployed workers were commenced December 1, and the Company is sincerely gratified that it has found this step possible as a means of alleviating the condition of those for whom no work is available. Benefit payments now consist of 50 per cent of the wages of those entirely unemployed or a smaller amount sufficient to afford 50 per cent of normal wages to these on less than half time employment. Loans are being made in those urgent cases where the Company feels that the real distress otherwise arising must be obviated.

The comments in regard to this Unemployed Emergency Plan from the organization have been very gratifying indeed, not only from the workmen in the shops, even including those who are not members

(*Continued on page 10*)



C. E. Patterson



C. C. Chesney



P. B. Zimmerman



C. E. Wilson



T. K. Quinn



H. H. Barnes, Jr.

Important Organization Changes Announced

T. K. Quinn of Cleveland and Charles E. Wilson of Bridgeport have been elected vice presidents of the Company; H. H. Barnes, Jr., of New York has been made a commercial vice-president, and J. L. Buchanan of Bridgeport has been named president of the General Electric Supply Corporation, according to an announcement of President Gerard Swope dated Dec. 30. At the same time the retirement of Vice Presidents Charles E. Patterson and Cummings C. Chesney was announced.

"Mr. C. E. Patterson" says President Swope's announcement, "has asked to be relieved as of Jan. 1, 1931, of his responsibilities as vice president of the General Electric Co. and president of the General Electric Supply Corp., and will retire from active service, in accordance with the pension provisions of the Company.

"The Company in acceding to his request recognizes with appreciation the many years of devoted service in the Accounting Dept., in the Merchandise Dept., and in the organization of the General Electric Supply Corp.

"Mr. Patterson will still be available for consultation on merchandising policies, methods and organization and will continue to serve as a director of the various associated companies having to do with the sale of merchandise and supplies.

"At a meeting of the Board of Directors held Dec. 30, 1930, Mr. C. E. Wilson was elected a vice president in general charge of the Merchandise Dept.

"Effective Jan. 1, 1931, Mr. J. L. Buchanan was elected president of the General Electric Supply Corp."

Another announcement by President Swope under the same date reads:

"Mr. C. C. Chesney has asked to be relieved as of Dec. 31, 1930, of his duties as vice president of the Company and will retire from active service in accordance with the pension provision of the Company.

"In recognition of his more than forty years of service and his many signal contributions not only to the Company but to the industry, the Board of Directors, at its meeting Dec. 30, elected him an honorary vice president of the Company."

Further announcements are to the effect that at the same meeting of the Board of Directors T. K. Quinn was elected a vice president of the Company, with headquarters at 120 Broadway, New York, and that effective Jan. 1, P. B. Zimmerman succeeds Mr. Quinn as manager of the Electric Refrigeration Dept., while C. J. Chapman of the Incandescent Lamp Dept., becomes assistant manager of the Electric Refrigeration Dept.

Mr. Quinn will retain general charge of the Electric Refrigeration Dept. and will also be chairman of the newly instituted G. E. Appliance Sales Committee, the other members of the committee being J. E. Kewley, C. E. Wilson, P. B. Zimmerman, and G. A. Hughes of the Edison General Electric Appliance Co.

At this meeting of the directors, H. H. Barnes, Jr., manager of the New York District, was elected a commercial vice president in charge of the commercial activities in the New York District.

The leave of absence granted on Jan. 1, 1930 to Vice President T. W. Frech (to become president of the RCA Raditron Co., Inc.) has been extended a year.

Effective Jan. 1, 1931, J. E. Kewley, who has been acting manager of the Incandescent Lamp Dept., was made manager of that department.

Every G-E Employee a Salesman

EVERY member of the G-E organization, whatever his particular line of work, is potentially a salesman for G-E products. Here is an interesting example of what can be done along this line.

J. F. Zoller, an assistant secretary of the Company and a member of our Law Dept., has a thoroughly modern and up-to-the-minute dairy farm near Schenectady, with a herd of about 45 registered Brown Swiss cows. The dairy operations are thoroughly electrified, and one of the features of the dairy is a "milking palace" where the cows are taken for milking after which they are returned to their stables, this place being used for milking only.

Not long ago Mr. Zoller needed some electrically-driven machines for the dairy, and took the matter up with a company which manufactures this line of apparatus. He declined to buy, however, unless the

(*Continued on page 11*)

G-E News Photos



The patrons of the St. Andrew's Indoor Golf Course in Philadelphia receive the benefits of G-E sunlamps as they make their way from trap to green.



Miss New York and a group of bathing girls listen to a talk on the virtues of the G-E sunlamp. The picture was made at the St. Andrew's Indoor Golf Course in Philadelphia.



E. L. Manning of the G-E research laboratories popping corn by means of high-frequency generating equipment.

This new recording color analyzer, a product of the G-E General Engineering Lab., is being used to help this young lady to secure a face powder to match her complexion



How New York appears at night from the topmost point of the new Empire State building. A large share of the electrical equipment for this skyscraper is of G-E manufacture



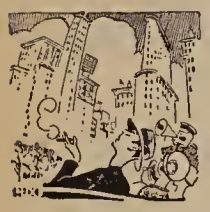
A night view of the statue of Robert E. Lee in New Orleans as it appears illuminated by G-E floodlighting projectors



Around the World with General Electric

New York

High above the traditional sidewalks of New York rises the new Empire State building, the world's tallest structure. Careful consideration was used in selecting the most dependable materials for this 1250-foot edifice and it is a significant tribute to the quality of G-E products that they were specified for use throughout the building. All panelboards, switchboards, conduits, wire and wiring devices, and heating and ventilating and pump motors, in addition to control devices are of G-E manufacture. The building is erected on a plot 200 feet by 425 feet.



New Zealand

In New Zealand, ice chests are practically unknown and if one were to speak to a housewife about food wastage, she would reply that there was no waste inasmuch as all table scraps went to the chickens and came back in the form of eggs. Because so many New Zealanders are poultry raisers, electric refrigeration is not as popular as it might be. Despite such sales handicaps, however, G-E refrigerators are growing in public favor. An order has just been received for 47 G-E refrigerators for delivery in the near future.

Schenectady

When scientists from the G-E research laboratories in Schenectady want pop corn, they do not put the kernels in the old-fashioned corn popper and hold it over a hot stove. They have discovered a much simpler way. At a recent meeting of the Merchant's Association of New York, two G-E scientists placed pop corn in a transparent bag between the terminals of a high-frequency generating equipment. The terminals were glass jars containing ice cubes floating in a salt solution. Two minutes were sufficient for popping the corn and the bag was not even browned.

Chicago

In the recently completed Merchandise Mart, Chicago, said to be the world's largest building, are installed 106 G-E motors. Approximately 795 miles of G-E wire or more than enough to reach between New York and Cincinnati are used to carry electricity to all parts of the building. Nearly 960 tons of G-E conduit are hidden away in the walls and floors. Outside, 607 G-E floodlights illuminate the gigantic structure, which is mirrored at night in the Chicago river.

Mexico

Meridi, Mexico, has narrow streets. In fact, some of the streets are not more than 10 feet wide and are frequently lined with residences whose upper stories have balconies projecting over the street. Electrical engineers solved the problem of installing transformers for street lighting and industrial service, by placing the transformers in long, narrow tanks, instead of the usual short, broad type. The units installed were built at the G-E Pittsfield Works.

Milwaukee

A girl used to stand behind each stitching machine in the plants of the Chase Bag Company, to pile up cloth bags on the stacking table. Now this tedious work is done by an "electric eye" developed by G-E engineers. The "eye" is a photo-electric cell sensitive to minute changes of light and when a shadow is cast by a bag passing over it on a moving belt, the "eye" sets in operation metal fingers which pick up the bag and pile it on the stacking table.

Cuba

Not long ago, the lighting company of Havana decided to stage a campaign to sell electric ranges. A carload of G.E. automatic electric ranges was ordered and the drive began. The campaign was so successful that a new order for 166 G.E. electric ranges has been received.

S.S. *Leviathan*

When even rowboats need constant attention, it is not hard to understand that huge ocean liners like the *Leviathan* must have occasional overhauling. When the *Leviathan* put into Boston for repairs recently, batteries of G-E floodlights were trained on her so that the work could continue at night. Through the use of these powerful lights, the *Leviathan* was able to put to sea a day ahead of the calculated time. This saving of time, it is estimated, saved the United States Lines between $15,000 and $20,000.

Uruguay

When the Republic of Uruguay celebrated a century of independence, Montevideo, the capital city, was brilliantly illuminated for the occasion. G-E lighting methods were employed and the Legislative Palace in addition to numerous public buildings were floodlighted. Various plazas blazed with unusual lighting effects and the ramparts on a fortified hill some six miles away were also illuminated by floodlights. Powerful searchlights mounted on these ramparts threw fan shaped beams into the sky and reflected across the harbor. A large share of the credit for the success of the display should be given to G.E. experts who co-operated with government officials in working out the plans for the independence celebration.

Schenectady

Face powder has long been one of woman's chief accessories, but only recently has it been possible to obtain powder of the exact shade to match the complexion. Through the services of the new G-E recording color analyser which indicates the amount of each of the colors making up the powder, it is a simple thing for madame to secure the right tint to heighten her complexion to utmost advantage.



"What Won't They Do Next?"

Dr. Willis R. Whitney Answers This Question in an Article Written for the "American Magazine"

By JOHN T. FLYNN

FOR thirty years Dr. Willis R. Whitney has been digging for buried treasures in the Garden of the Gods. That is his term for this world and its mysteries.

I spent several days with him in his laboratories at Schenectady, N. Y., where he has been busy all these years putting questions to Old Mother Earth. And getting answers, too. And such answers!

I went there to ask him one question—just one. When Thomas Edison celebrated the Golden Anniversary of his invention of the incandescent lamp, someone asked him if he believed that electricity has yielded all her secrets, if it should now be considered a full-grown giant already developed to its fullest powers.

"A full-grown giant!" replied the wizard. "Why, it is just an infant."

So my question to Doctor Whitney was: "What is electricity going to do for us in the future?"

I took the question to Doctor Whitney because he is the head of one of the most extensive institutions devoted to the study of electricity—the Research Laboratories of the General Electric Company at Schenectady.

"What is electricity going to do?" he mused. "Well, it has hardly begun to do things yet. We are just beginning to learn a few little things about it—how to use it a little.

"Here in the laboratory we are all impressed with this important fact: that man has taken to the air. And into the air he will go for some of the greatest advances of the early future. After countless ages he has gotten possession of a new dimension. He has not yet learned how to use it. A few planes have ventured aloft. But man will take hold of this new dimension. It's partly in his grasp now.

"Last year, after a burst of enthusiasm about aviation, we paused to conclude that, after all, flying would never play a real, substantial rôle in the work of the world. In 1900 it was authoritatively stated that Edison's incandescent lamp with the carbon filament would never be improved. Most scientists would have told you that the metal tungsten would never be drawn into the fine wire that makes our modern lamps possible. In 1896, Lord Kelvin said man would never fly in heavier-than-air machines. In each case the impossible achievement followed close upon the heels of these positive declarations. And so aviation, too, like electricity, has just begun. Soon the air will be filled with argosies. The airplane will be in as general use as the automobile. Electricity will bring this about.

"Planes will not need pilots. In war and peace, for scouting and exploration, they will be either automatically piloted or controlled from a distant point. They will be equipped with television cameras. An admiral on a distant ship or an engineer in a distant office, with his television receiving instrument, will see what the plane sees.

"The suburbs of a large city will spread outward for a hundred miles or more. The suburbanite will think as little of his hundred-mile flight as he now thinks of a few miles' crawl on a street car or railroad train. You will step into your plane at your home, set the controls for the point to which you wish to go, close the door, lean back in your seat, read your paper, while your plane, automatically piloted, will convey you in perfect safety to your destination.

"All long flights will be above the clouds. The dangers of flying in savage winds, in fogs, in thick clouds, will be avoided by going above them. Looking down, you will see the clouds, not the earth. But navigation will be simple because of delicately adjusted electric instruments which will automatically right the plane in the presence of any natural disturbance and guide it inevitably to a point above the port at which you wish to land.

"Then you will want to come down. But you will not know the road down any more than the sea captain knows the tricky channel of every harbor. So, just as the ocean liner entering a harbor takes on a pilot who knows the local course, you, in your airplane, will hover three or four miles over the city until a local pilot 'comes aboard.' Of course, he will not actually enter the plane. He will sit at the air-station below and guide the plane down by means of remote control. In this he will be aided by a television camera aboard the plane, which will enable him, with his receiving set at the airport, to see precisely what the aviator sees from the cockpit.

"If all this seems visionary, I must remind you *that there is nothing in this picture which has not*

(*Continued on page 11*)



Dr. Willis R. Whitney, Vice President, and Director of the Research Laboratory, of our Company, was asked a question by John T. Flynn. It was, "What is electricity going to do for us in the future?" What Dr. Whitney answered was made the subject of Mr. Flynn's article in the October number of THE AMERICAN MAGAZINE, *and by courtesy of that magazine it is reprinted in part here. The second installment will appear in the next issue of the* WORKS NEWS.

Looking Back at 1930

Records Broken in Many Lines of G-E Apparatus in Spite of General Slump

ALTHOUGH the business and industrial depression during 1930 had an adverse effect on the aggregate output of electric equipment, there were certain classes of electric apparatus which resisted the general downward tendency, in comparison with the record activity of 1929, and in fact created new high figures for both volume and dollar value of production as compared with any previous year, according to a review of G. E. business by John Liston of our Company.

In this group were included, railway electric locomotives and electric equipment for street railway and railroad motor cars, electric propulsion equipment for merchant ships, mercury arc power rectifiers and high tension cable. The number of installations of household type electric refrigerators also showed a marked increase.

Developmental Work

Developmental work was continued actively throughout the year in the laboratory, the factory and in the field with the result that improvements in design, materials and construction were secured in numerous classes of apparatus all tending toward increased efficiency or economy in the generation, transformation, distribution and application of electric energy for power systems, transportation, communication, industrial modernization and in the rapidly growing field of farm electrification.



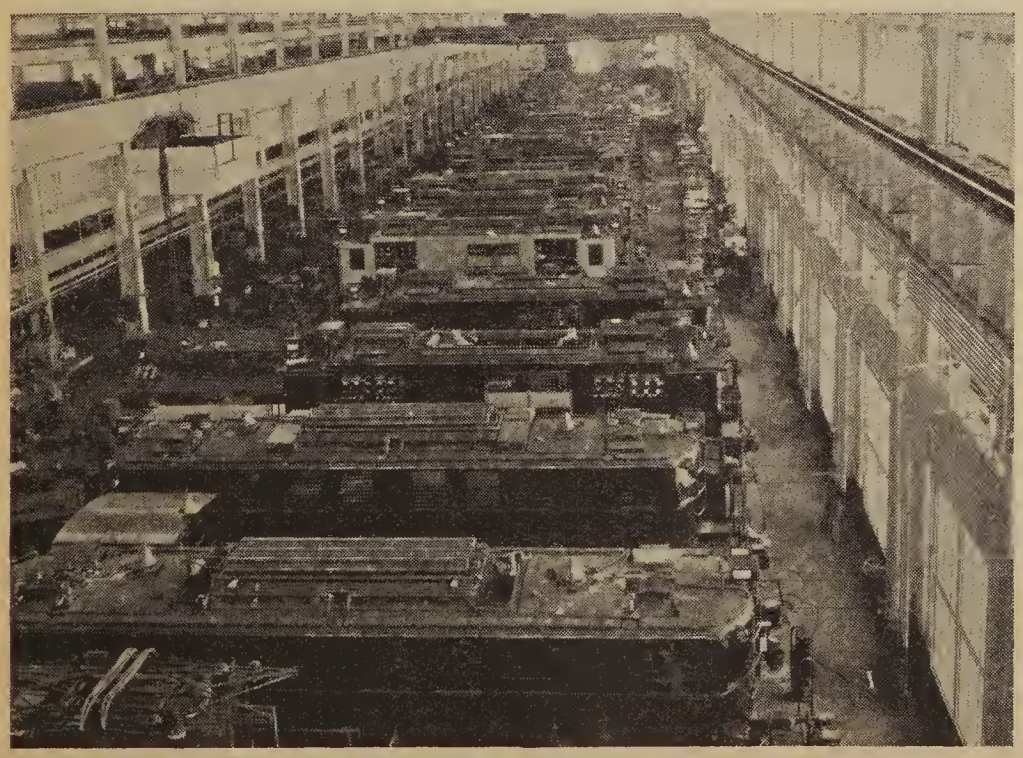
The Field-Arc-Welded Frame of the Du Pont 14-story Office Building, Wilmington, Del.

Power Rectifiers

Mercury arc power rectifiers installations increased both in number and capacity, the largest unit produced being rated 6500 kw., 650 volts, 10,000 amperes. It was designed for use in the production of electrolytic-hydrogen. One railroad applied power rectifiers in all of its substations as the sole source of the supply of energy to its feeder system. This was the first exclusive use of this apparatus for this class of service.

Electric Welding

Building construction utilized electric welding to a greater extent than heretofore and 84 cities and towns in the United States were added to the list of those permitting the use of this efficient and silent tool in place of the noisy riveter for this class of work. The tallest building so far erected by electric welding is nineteen stories in height. Automatic welding machines including those applying the atomic-hydrogen process were further improved for industrial use.



A View of the Electric Locomotive Manufacturing Shop at the Erie Works

Hydrogen Producing Apparatus

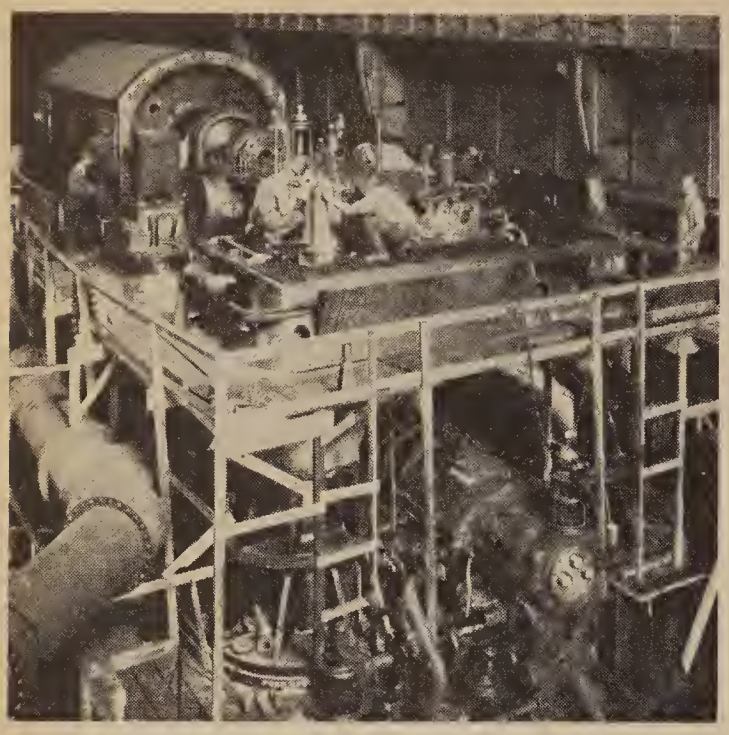
In order to facilitate a more extensive use of hydrogen atmospheres in electric furnaces, apparatus was developed for the economical production of gases, rich in hydrogen, from natural gas or illuminating gas. This apparatus can be conveniently located near the furnaces served and can thus form an integral part of an industrial process heating equipment.

Power Generation

A 110,000 kw., 1200 lb. steam turbine generator built for the Ford Motor Company was not only the largest high pressure steam unit so far constructed but also the highest rated generating unit ever designed for an industrial installation.

Electric Transportation

The requirements of electrical transportation both on land and sea called for a record production of equipment. In addition to the electric locomotives and motor cars



The 110,000-kw., vertical-compound steam turbine-generator set for the Ford Motor Co. being assembled for test at the Schenectady Works

produced for the electrification of important sections of large steam railway systems, there was a growing demand for motor and braking equipment for the rehabilitation of street railway rolling stock. Gas-electric buses were used for the first time for interurban service and there was renewed interest in the flexibility and economy of the trolley bus for operation in modern urban street traffic.

In December, the turbine-electric liner, *President Hoover* was launched. She was at that time the largest merchant ship ever built in America and with her propelling motors rated 26,500 shaft horsepower exceeded in power rating any electrically propelled merchant ship in the world.

Lightning Protection

Lightning is still the arch enemy of uninterrupted electric service but laboratory and field investigations with improved recording instruments added greatly to our knowledge of the characteristics of lightning during the year, while the development of Thyrite material made it possible to utilize the data so secured in a practical way for power system protection. The Thyrite lightning arrester has already been installed on systems operating at the highest commercial voltage.

Vacuum Tubes

Perhaps the most interesting development from the standpoint of future possibilities was the greatly increased application of electronic tubes for purposes other than radio communication. Their remarkable versatility in recifying, converting, inverting, regulating, measuring and controlling has resulted in numerous applications in substitution for electro-mechanical methods of current control.

Other work with vacuum tubes included tests of apparatus designed to produce artificial fevers by induction and the construction of an X-ray tube for operating at a potential of 500,000 volts or more than twice the maximum voltage previously used.

It is impossible, of course to give a complete summary of G.E. accomplishments during the year, but these mentioned cover such a wide range that the references will give a good idea of the fundamental soundness of the Company, and its forward-looking policies.

The S.S. *President Hoover* Slides off the Ways At Newport News

THE first electric passenger liner built in this country for transoceanic service was launched at Newport News, Virginia, on Dec. 9, when Mrs. Herbert Hoover, wife of the President, performed the christening. The new liner was named *The President Hoover,* and is the first of two being built for the Dollar Steamship Line by the Newport News Shipbuilding and Dry Dock Company. A bottle of water collected from the seven seas was used in the christening.

The two ships, of which *The President Hoover* is the first, each over 600 feet long, are completely electrified, using the turbine-electric method of propulsion and using electricity for every other possible duty aboard ship, including lighting, the operation of auxiliaries, and the use of electric heat for various purposes. The ships are of twin-screw design and are built for a speed of 20 knots. Accommodations are provided for 450 passengers and a crew of more than 300, and the ships are equipped to carry general cargo in 632,000 cubic feet of storage space, and perishable cargo in 67,000 cubic feet of refrigerating space. The decision to employ electric drive was the result of investigations and studies in collaboration with General Electric extending over a period of two years.

The power plant on *The President Hoover* consists of two 11,000-shaft-horsepower General Electric turbines, running at 2500 rpm. and driving two alternating-current G-E generators, each having a continuous rating of 10,100 kilowatts, three phase, 4800 volts. These generators supply electricity for driving two 13,250-horsepower synchronous-induction G-E motors, each connected to one of the two propeller shafts turning at the rate of 133 rpm. Excitation and power for operating auxiliaries and lighting is furnished by four 500-kilowatt, 240-volt, compound-wound, direct-current generators of the geared type.

An elaborate ceremony was arranged by Newport News Shipbuilding and Dry Dock Co. for the occasion of the launching. Work will be completed on the vessel in time for her to enter service next June on a route from New York to California, Honolulu, Japan, China, and Manila, returning the same way.

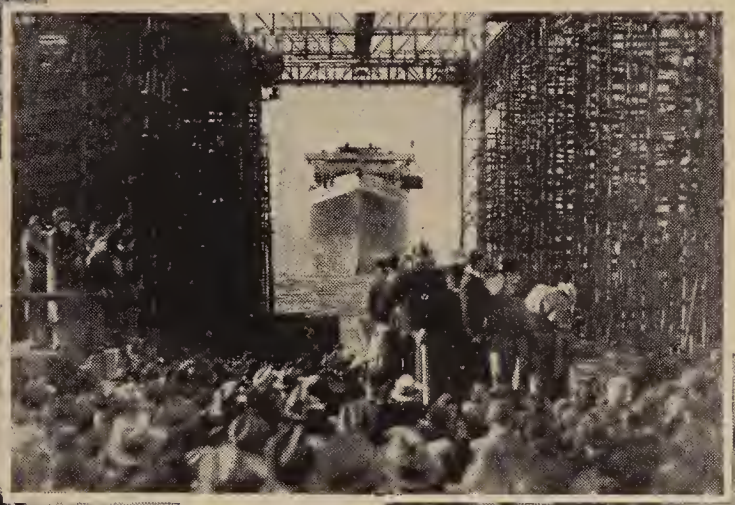
At The Launching



A view of the stern of the "President Hoover," showing the giant propellers.



Mrs. Herbert Hoover and Mrs. R. Stanley Dollar pose for the cameraman. On the table can be seen bottles of water taken from the seven seas.



Left: The "President Hoover" slides down the ways into the chill waters of Chesapeake Bay.

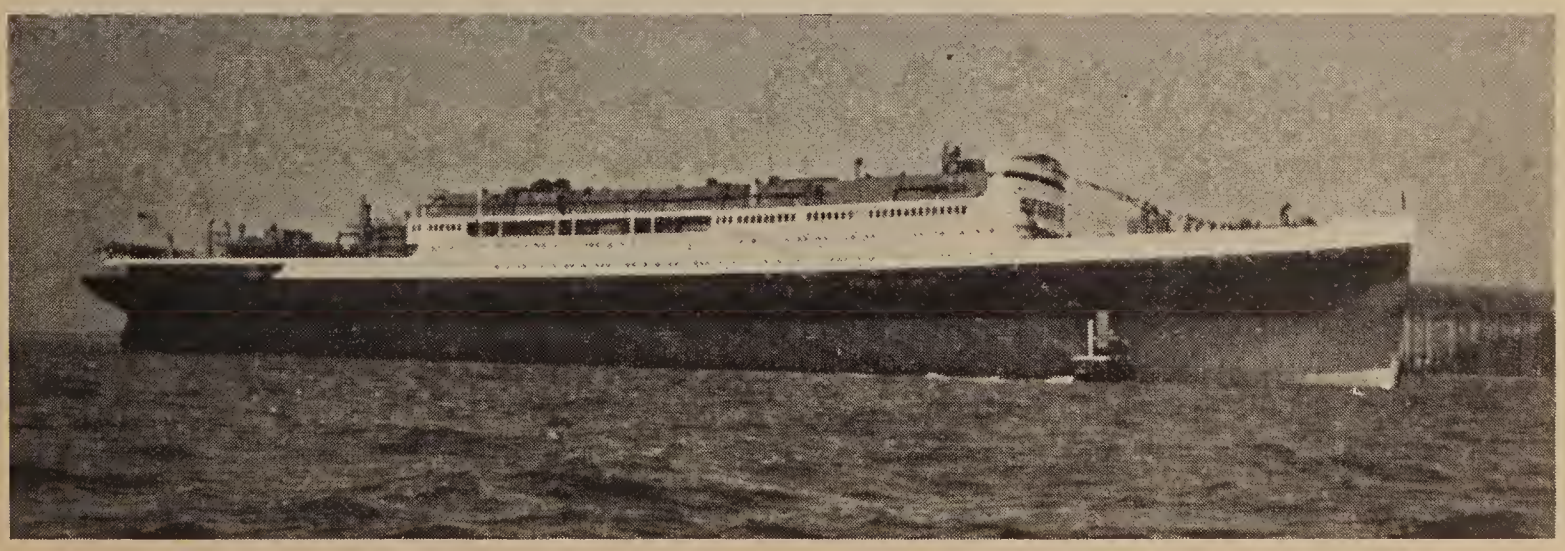
Below: Smash! Water from the seven seas wets the steel nose of the "President Hoover" for the first time.



Left: The first lady of the land about to christen the new Dollar liner.



The new Dollar liner "President Hoover."



G-E Washing Machines and Ironers Announced

First Machines of Kind to Bear the G.E. Monogram

ELECTRIC washing machines and ironers have been announced by the Merchandise Dept. of the Company at Bridgeport, Conn. The new washing machines are featured by the "Activator," designed by G. E. engineers exclusively for these washers. Effective washing action starts at the water level; and a sturdy downward tug sweeps out air bubbles and pulls the clothes into the full-power washing zone at the tips of the blades of the "Activator." The clothes are flexed by the blades, thereby loosening embedded dirt particles, and hot sudsy water is at the same time forced through the clothes. There is no dead washing area; a circular roll-over movement of the clothes through the soapy water gives a continuous return to the full-power washing zone, with no twisting or braiding of the clothes and with the pieces constantly separated.

The new machines are full-skirted, and finished in two shades of harmonizing blue. The tubs, of generous family-size capacity, are enameled porcelain, ripple finished. The mechanism, which is fully enclosed and protected, is easily accessible by removing the tub.

The machine is powered by a G. E. ¼-horsepower motor, fully insulated with rubber, shock-proof, and cradle mounted. The transmission is sealed in oil, thereby being permanently lubricated. The motor is wick-fed from an oil reservoir.

Model W, wringer type, incorporates a new type of wringer, and is of low stream line design. The extracted water flows through a special return drain to the tub, thus eliminating wet, slippery floors. The model C, extractor type, has the spinner basket set on the same post as the activator, so that washing and drying can be carried on at one time, conserving time and energy.

G-E Ironers

Two types of ironers will be produced. One is a portable or table model, and the other will fit the wringer post of any standard washer. The shoe is of rust-proof, stainless "Allegheny metal," highly polished so as to give a smooth finish to all articles being ironed.

So that Model R will harmonize with the Model W washer, it is finished in the same blue as the washer with which it operates. The table model ironer is designated as Model T. The Model R ironer is powered from the motor of the washer with which it is operated; the Model T is powered by its own General Electric motor.

Both models have full open end roll to facilitate ironing operations. They are constructed rigidly and simply, and are easily and conveniently operated by anyone.

These washing machines and ironers are the first ever to bear the G. E. monogram.

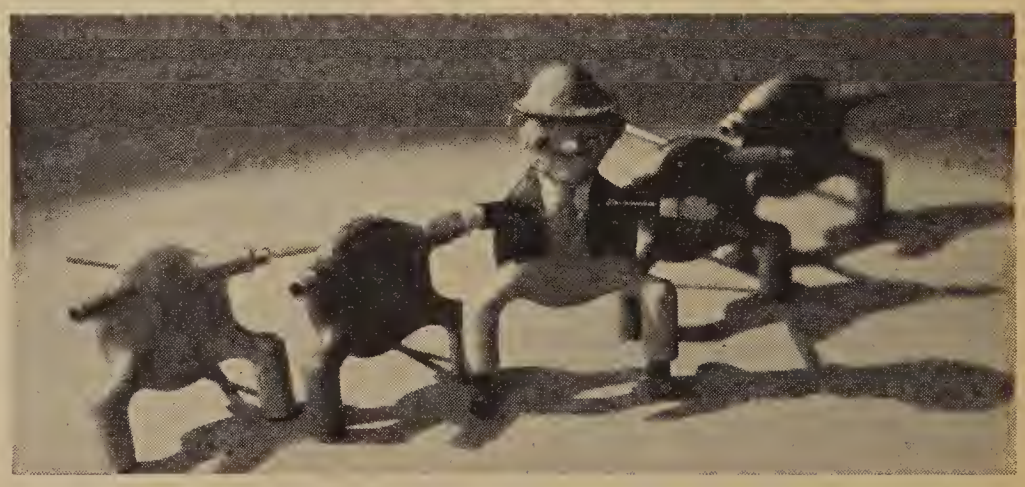
How the Company Insures Peace Of Mind to G-E Employees And Their Families

(Continued from page 2)

of the Plan, who are glad to help their brother employees who are not so fortunate as to have work, but also from people in the commercial offices, removed thousands of miles from the factories, the main comments we have had being "Why was the percentage made so low as 1 per cent" and "Why have we not begun this earlier." These are evidences of how closely the organization is knit together, the plan, therefore, tending to improve the unity and spirit of the organization.

The Company also announced last week a further plan for the year 1931 of guaranteeing fifty weeks' work of not less than 30 hours each week in the Incandescent Lamp Dept., which I referred to earlier in my talk, where we are dealing with a standardized product not subject to obsolescence and deterioration. This plan is entirely voluntary and will not be adopted unless 60 per cent or more of the employees in the Works are interested and every employee agrees to have a further "anchor to windward" setting aside 1 per cent of his earnings. The Company guarantees 5 per cent interest and the money so saved always belongs to the employee. He takes it with him if he leaves. If he dies the accumulation is given to his beneficiary and if he remains with the Company until he retires on pension, it is added to his retirement allowances. This plan goes into effect January 1, 1931 if the employees desire it. It will be interesting to see what reaction this received.

These are definite, specific things that the Company has done, first to stabilize and second to ameliorate the tragic effect of unemployment. We are now in a situation where things must be done on a broader scale than this. The efforts of a constructive character that are being made to relieve distress and to avoid and ameliorate these things in the future are having and should have very general support.



This is not a dance of the marionettes. The application of a little modelling clay and paint on one of these G-E refrigerator unit parts made the jolly little Dutchman, and the photographer with a bit of imagination made the pleasing arrangement.

Safety Contest

THE Inter-Works Accident Reduction Contest at the end of November shows New Kensington and Bloomfield still leading Division 1 and Division 2 respectively. The standings of the various plants follow, an asterisk indicating plants showing reduction.

Division 1	Division 2
*New Kensington	Bloomfield
*York	Erie
Bridgeport	*River Works
*West Lynn	ALL PLANTS
*Philadelphia	*Pittsfield
*Fort Wayne	*Oakland
	Schenectady

Every G-E Employee a Salesman

(*Continued from page 3*)

machines were driven by G-E motors.

The result was that the company has standardized on our motors, and is now listing our motors exclusively. The manager of the company recently wrote Mr. Zoller:

"Your insistence upon General Electric motors being attached to the various pieces of apparatus which were installed in your new dairy plant, and a visit to the General Electric Works at Schenectady, 'The House of Magic,' rightly named by Floyd Gibbons, radio announcer, I believe emphasize General Electric leadership beyond a doubt in the electrical world."

Incidentally, it may be added that among other items of equipment in Mr. Zoller's dairy are G-E sunlamps, which are used over a pen of young cattle.

"What Won't They Do Next?"

(*Continued from page 6*)

already been devised. The apparatus needs merely to be perfected to be made to work smoothly. And this will be done the moment the world demands it."

I realized at once how true this statement was. For, the very day I spent with Doctor Whitney, a plane was sent aloft in San Francisco without a pilot. It soared over the

Think First!

Death Benefits Paid and Disability Benefits Allowed Under Group Insurance Plan

Month of November, 1930

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
38	Oct. 21	William Edwards.....	63	Wife	Yes	Wife	Yes
3	Oct. 26	Lawrence E. Krug....	18	Mother	Yes	Mother	Yes
37	Nov. 3	V. A. Salmonson.....	61	Wife	Yes	Wife	Yes
6	Nov. 11	Lillian M. Clute.....	25	Mother	Yes	Mother	Yes
30	Nov. 14	Henry A. Mahoney...	52	Wife	Yes	Wife	Yes
14	Nov. 17	Charles V. McKeown.	67	Daughter	Yes	Children	Yes
West Lynn Works							
35	Nov. 10	James K. Turnbull....	61	Wife	Yes	Wife	Yes
River Works							
1	Oct. 26	Arthur H. Anderson...	19	Mother	Yes	Mother	Yes
Pittsfield Works							
11	Oct. 30	Napoleon Roberts....	55			Wife	Yes
Erie Works							
1	Oct. 4	Roy C. Pierce.....	32	Wife	Yes	Wife	Yes
Fort Wayne Works							
17	Oct. 25	William E. Kaade....	47	Wife	Yes	Wife	Yes
20	Oct. 29	Carl Bullerman.....	57	Sister	Yes	Sister	Yes
8	Oct. 30	Charles T. Saxton....	30	Wife	Yes	Wife	Yes
Bloomfield Works							
15	Oct. 23	Wm. B. Clarkson.....	37	Wife	Yes	Wife	Yes
Elizabeth Foundry Co.							
3	Nov. 7	Henry Steiger.....	41	Wife	Yes	Wife	Yes
Philadelphia Works							
3	Oct. 26	Stanley Bazis.....	47	Estate	Yes	Estate	Yes
5	Nov. 15	Rafael Arho.....	36	Wife	Yes	Wife	Yes
Central District							
40	Oct. 4	James H. Livsey.....	65	Estate	Yes	Estate	Yes
I.G.E. Co.							
10	Nov. 10	Joseph C. Ferris.....	47	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
25	Nov. 3	Carl A. Olson.....	60	Wife	Yes	Wife	Yes
7	Nov. 21	Robert J. Banks.....	23	Mother	Yes	Wife	Yes
G-E Supply Corp.							
2	Nov. 6	Lester R. Schlegel....	34	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works					
26	Nov. 10	August T. Wendt.....	58	Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of November, 1930.	22	$22,438.07	22	$46,000
Claims previously reported, 1930.....	313	352,673.50	302	526,500
Total claims paid eleven months, 1930..	335	$375,111.57	324	$572,500

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.	Add'l Ins.
Schenectady Works					
31	Nov. 1	John N. Schreck.....	57		Yes
River Works					
23	Nov. 14	Charles. J. Coulman..	58		Yes
19	Nov. 14	Walter L. Poole.....	57		Yes
11	Nov. 14	Nora T. Reilly.....	50		Yes
24	Nov. 21	Robin Lee.....	58		Yes

(*Continued on next page*)

city, circled around, remained in the air for 20 minutes and then returned safely to the landing field. So much for automatic plane control.

As for television, on that same day I saw television in operation directed by Dr. E. F. W. Alexanderson, the distinguished engineer under whose guidance it was perfected in Schenectady. I stood in a long room facing a large box as big as an ordinary ice box. On a plate about two feet square in that box—I saw a young man laughing and talking to me as intimately as if we were actually facing each other. But we were not. He was standing 40 feet away in the same room with his back to me, looking into a similar box—the sending machine or television camera which picked up his image and sent it to me through that other box as plainly as if I looked directly at him. This picture was broadcast across a room of 40 feet—but only for convenience. It might as easily have been 40 or 400 miles.

That night I saw the same instrument in Doctor Alexanderson's home, at a meeting of a small society of engineers. The members sat facing the chairman's place. The room was plunged in darkness. As the lights were out, suddenly a television screen lit up in the presiding officer's place, and there the astonished members beheld the figure of their president. He was actually in the laboratory three miles away, at the same sending instrument, I had seen earlier in the day. He was standing behind a table. He smiled, and bowed as if in acknowledgment of the applause, then rapped on the table, called the meeting to order, and proceeded to deliver his annual address—across three miles of ether, from the sending station to Doctor Alexanderson's living room.

These things presaged a greater wonder. Shortly afterward television was advanced from purely experimental to practical commercial use by similar apparatus developed by Doctor Alexanderson on a larger scale. For the first time vision by radio was joined with voice transmission to entertain an audience in a vaudeville-and-movie house in Schenectady. Performers in a laboratory studio a mile away from the theater appeared as life-like images on a screen six feet square. They talked, danced, and sang to the audience. The image of a conductor, waving his baton on the screen, directed the orchestra in the pit of the theater. A stage manager, talking over a telephone gave the distant performers their cues.

Although the size of the screen made it possible to show only the heads and shoulders of the performers, the success of this first television screen production led to the prediction that within the next six months theatres in most of the large American cities will offer television features as part of their regular programs.

The vision of the coming Age of the Air which I have given was described to me by a man who was careful to protest that he is not a prophet. Doctor Whitney is not an engineer. He is primarily a chemist. Thirty years ago he was a professor of chemistry in the Massachusetts Institute of Technology when the General Electric Company, then a comparatively small concern, asked him to set up a research laboratory for them. He did. He made his headquarters in a small, frame, one-room building that looked like a little farmside schoolhouse. One other man worked there. His name was Steinmetz. These two began work together—Steinmetz laying the foundation for the Engineering Laboratory he was later to make world-famous, and Whitney with the seeds of the Research Laboratory which was to become no less famous. The work of these two institutions is quite different. Let L. A. Hawkins, himself an engineer, but attached to the Research Laboratory, explain it:

"The research man is concerned in discovering and establishing the laws of nature. The engineer's business is to put those laws to use. The research man loves to tinker with uncertainties. He is primarily interested in the unknown. The engineer likes to deal with certainties, to work with laws and instruments which he fully understands. When the research man discovers some fragment of the unknown and thus removes it to the field of the known, he is no longer interested in it. Then the engineer pounces upon it, to put it to some practical use."

And so, at Schenectady, Steinmetz and Whitney worked for years—Whitney and his young assistants forever scaling the ranges; Steinmetz and his staff putting to practical use all the countless discoveries of the physicists and chemists. Doctor Whitney's laboratories have grown, until today they require the services of five hundred men—many of them distinguished in the world of science. It was in Doctor Whitney's laboratories, now occupying a great building, that we talked.

(*This article will be concluded next month.*)

Death Benefits Paid and Disability Benefits Allowed Under Group Insurance Plan

(*Continued from previous page*)

Years	Date of Grant	Employees	Age		Free Ins.	Add'l Ins.
Pittsfield Works						
6	Nov. 7	Thomas Callow.....	55			Yes
Fort Wayne Works						
20	Nov. 8	George W. Heller.....	42			Yes
7	Nov. 22	John Thompson.....	53			Yes
General Engineering Laboratory						
41	Nov. 7	Leopold Scholtz.....	59			Yes
Incandescent Lamp Dept.						
5	Nov. 30	Thomas Slater.....	46			Yes
Disability claims granted November, 1930					10	$16,500
Disability claims previously granted, 1930			7	$5,800.00	51	92,000
Total disability claims granted eleven months, 1930.....			7	$5,800.00	61	$108,500
Total death and disability claims paid since Jan. 1, 1920.....						$6,675,971.59

GIRLS' SECTION

Elex Activities

The Christmas Party

A CROWD of more than 250 girls filled to capacity the dining rooms in Bldg. 16-2 where the annual Elex Christmas party was held on Dec. 16. Ropes of evergreen intertwined with colored lights extended around the room and wreaths of evergreen were hung here and there on the walls. A beautifully trimmed Christmas tree stood at one end and red and green shades over the lights gave the hall a truly festive appearance.

Following the special supper that was served at 5 o'clock, a novel form of entertainment was presented. A number of battered old school desks had been set up and a small rostrum built and a rickety table and chair placed on it. "A Country School Frolic" was presented by Irene Meyers, dressed in the fashion of the gay 90's, as the teacher, and a number of Elex girls disguised as little girls and boys as the pupils. The program follows:

1. Roll Call
2. Song, "Good Morning, Dear Teacher"
3. Exercises
4. Lessons
5. Song, "School Days"
6. Recitation by Huckleberry Finn (Ruth Fuller)
7. Recitation by Fluffy Ruffles (Hilda Walda)
8. Wickliffe Children
9. Recitation by Skinny Stoller (Maggie Stoller)
10. "Oh Tannen Baum," sung by the school
11. Recitation by Asmerilla (Carrie Green)
12. Recitation by Goofenheimer (Louise Lawson)
13. Recitation by Fatty (Lois Miller)
14. Wickliffe Children
15. Coming of Santa Claus

The Wickliffe children, Melissa Jane and Buddy, are two little colored kiddies from the Phyllis Wheatley Social Center, who were present and gave several readings. The whole group sang Christmas carols and then old Santa Claus made his appearance.

Bob-sled Party

Plans were made by the Elex Executive Committee for an old-fashioned farmer supper to be served at the first meeting of the club in 1931, this meeting falling on Jan. 6. The regular classes were to meet from 7 to 8 o'clock and at 8:15 well loaded bob-sleds to start from Bldg. 16, taking the Elex members for a merry ride. Arrangements had been made for the whole group to stop at the Weber Hotel on the return trip, for a hot chile at the expense of the club.

Coming Events

At the next meeting of the club on Jan. 20, a play, under the direction of Irene Meyers, will be presented instead of the "Cherry Blossom Review," as stated in the December WORKS NEWS. On this night the classes will follow the supper hour, that is, they will be conducted from 6:30 to 7:30 instead of 7 to 8, and the class in ballroom dancing will be dispensed with due to the fact that the north end of Bldg. 16-2, where this class is held, will be arranged for the presentation of the play which will follow the classes. Those who are enrolled in the class in ballroom dancing are privileged to enter some other class for this one evening.

For February two big events have been planned. On Feb. 3 a Valentine party will be held in Bldg. 16-2, and on Feb. 17 a lovely party has been planned to be held at the Valencia Golf Gardens at the Shrine. Supper will first be served at the regular hour in Bldg. 16-2 and the regular classes will be held. Following the closing of the classes at 8 o'clock the group will go immediately to the Shrine for the party. There will be bridge and dancing which will be free, and those who wish to play golf will pay 25 cents per game. Also an attendance prize will be given at the party.

Mrs. Ada Cherry Entertains

ON Dec. 29, Mrs. Ada Cherry entertained the members of the Semper Iden Club at her home on Huestis Ave. The party was in the form of a wiener bake, the wieners being roasted in the fireplace which was decorated with evergreen boughs and a large Santa Claus in the center. The spirit of Christmas was carried out in all the decorations. The group played bunco and pinochle, prizes going to Dorothy Rebber and Susie Wagner, with a guest prize to Berniece Gordon.

Irene Meyers, Bessie Shaffer and Berniece Gordon were guests of the club. The members present were: Edith Holle, Cecile Linker, Beulah Uncapher, Bessie Smith, Ruth Lindeman, Susie Wagner, Avis Emrick, Dorothy Rebber, Mrs. George Schroeder and Mrs. Cherry, all employees in the Meter Dept.

Christmas Dinner Party in Bldg. 4-2

AT noon on Dec. 24, Bldg. 4-2, of the Small Motor Dept., was the scene of a very merry pre-holiday dinner party. The menu consisted of sandwiches, potato salad, baked beans, celery, olives, pickles, fruit salad, cake and coffee.

The girls present were: Margaret Ormiston, Mildred Balliet, Bertha Witham, Bonnie Carnes, Ruth Holle, Clara Meyers, Arba Kurtz, Audrey Downing, Mary Winebrenner, Grace Breeden, Blanche Knight, Emma Bertsch, Nellie Jump, Betty Baxter, Hilda Dohrman, Zella Sheehan, Eva Krinn, Frances Anderson and Mary Schmieman.

Elma Schneck Hostess to a Group of Co-workers

ELMA Schneck, of the Sandpoint Road, entertained Bldg. 4-4 Elex girls at a Christmas party and gift exchange at her home recently. Part of the evening was spent in playing 50-50 with dice, prizes being awarded to Ruth Theurer and Esther Moll. A lighted Christmas tree sheltered the Christmas gifts which were distributed by the hostess.

Several readings were given by Marie Blough. A comedy act was another feature of the evening's entertainment. The act being of the well-known Amos 'n' Andy artists, with Irene Meyers, Lois Miller,

(Continued on page 17)

Foremen's Association Hears Talk

(*Continued from page IX*)

pression to prosperity. The farmer, however, did not enjoy a similar prosperity, the value of his land not having increased nor the price of crops produced by him on his farm.

Outside of agriculture, however, there was a general prosperous condition in the country until 1930, when we enter into the present and last cycle of business depression. We are now daily living in the low part of the business cycle of depression of 1930. If you will recall my description herein of the previous periods of depression, you will find that many of the facts that apply to them apply to 1930. We had over-speculation in stocks and bonds, chiefly stocks, in 1928 and 1929. People were buying securities and never looked at a balance sheet. They bought them on a "hunch," and month after month securities so bought jumped in price and were sold at a profit by the purchaser. The average American felt that such a condition would continue on indefinitely. They had just experienced a similar situation in Florida real estate. There people bought and sold city lots and swamp land at high prices. Hard-headed business men and all types joined in the land speculations of Florida, but the balloon burst.

When the financial historian writes his paragraph describing the depression of 1930, he will be bound to say that there was over-speculation in stocks and other properties in 1928 and 1929; that there was over-production of commodities, necessaries and luxuries. The historian tells the same story practically with reference to the eight cycles of economic depression that have heretofore occurred at regular intervals in the history of our country.

I have tried to draw a picture of the economic high and low spots, or the cycles of prosperity and depression that have existed in our country for the past 100 years. You will notice that these cycles have occurred with regularity and on an average of about 10 years apart. Undoubtedly they have been caused by the violation of laws and principles governing business. Recently we hear much about the business doctors who have fanciful remedies enacted into law by our Federal Congress and our State Legislatures. We have had a habit in our country of trying to cure morals, sickness and business depressions by means of legislation. The old law of "supply and demand" has been thrown on the scrap heap by a great many people or has been overlooked and neglected. Others say the law of "supply and demand" is a worn-out idea and does not apply in 1930. I am of the firm opinion that there are underlying fundamental principles which control and dominate business in spite of legislation, and the violation of which rules bring on us periodic cycles of depression. Our Government has established a Weather Bureau. By virtue of science it can predict rain and clear weather; it can predict heat and cold weather; it advises business men of the land and of the sea of approaching storms, and thus the comfort of our people and the welfare of our business is protected. In medicine years ago, if one became afflicted with Bright's disease, the doctors administered to him but not effectively, and in due course of time the patient became more ill and passed away. A young doctor at the University of Toronto, Dr. Frederick Banting, gave much thought to the subject of Bright's disease and finally discovered insulin, which, when administered to the human body, helps to absorb sugar and thereby saves the lives of thousands of people who formerly died from this disease.

Our business men of today and our economic scientists are striving hard as the doctor and weather man did to discover the underlying loss controlling the cycles of business. I am hopeful that with a hundred of years of history behind us, and with nine cycles of depression visited upon our country, our business scientists will evolve plans and discover principles which will make it possible for business men in the future to anticipate the cycles of depression and thereby avoid them.

May I speak a word of hope in the midst of our present depression? In the panic of 1873 the national wealth of our country was approximately $30,000,000,000; in the 1907 depression our national wealth was approximately $150,000,000,000; today the national wealth of the United States is something in excess of $400,000,000,000, and is probably equal to the combined wealth of the United Kingdom of France, Germany, Italy, Russia and Japan. The per capita wealth in the United States today is approximately $3400 per American citizen. In Russia it is $300 per citizen, in Italy $600 per citizen, in Japan $800 per citizen, in Germany $1000 per citizen, in France $1500 per citizen, and in Great Britain $2800 per citizen. We had on deposit in cash in our national banks in 1929, $21,598,000,000. This Christmas we have 11,000,000 people with Christmas Saving Accounts who had on deposit in the banks of of our country $632,000,000. In 1929 our people became dissatisfied with savings to some extent and went into the stock market to make money quickly and in a larger amount. This year the people have again turned to thrift and the deposit of part of their earnings in savings, so that today we have approximately 52,770,000 depositors.

We have every reason to feel confident that we will pull out of this cycle of depression just as we have moved out of a similar cycle eight times before in the last 100 years of our country. We have greater wealth today with which to accomplish a new prosperity. Our people, as indicated by their savings accounts, are pulling up their belts and again living within their means. Our banking system, by reason of our elastic currency and the Federal Reserve System, is in a healthy condition. Speculation has ceased in the main and our industries have learned the lesson of over-production. I see no signals or cause that are unsurmountable; no reason exists why the country will not move out of this depression of 1930 into a normal field of business activity in due season. When we are sick we do not lose courage. We call in the physician, take his medicine and determine to get well. A sick man without courage never gets well.

Utilizing Knowledge of Others

INDIVIDUALS who make good use of the knowledge which others have attained are most certainly wise. Particularly fortunate are we who are living in this age in which it is so easily possible to know much of what others have discovered along the lines in which we are engaged. Perchance, too, we are lucky that we have the coolcr seasons in our year when it is so comfortable to spend long evenings at our firesides with magazines and books, for it is largely through these media that we acquire the knowledge which others have attained. At this time we again would call to your attention the library material which is here available to employees of our Fort Wayne Works. Included in this collection are books and magazines which should help you with your work. There are now over 350 indexed books and several cases of magazines covering lines in which General Electric men and women must be well informed. Some of these books are in our laboratories and departments whcre they are available for instant reference to those who are specializing in particular lines. The greater part of the books and magazines, however, are available in the Works Library in Bldg. 18–5 and can be withdrawn by anyone in our organization with the initiative to use them.

Perchance if you have not visited the Works Library you may suppose that all these books and magazines are so highly technical that you would not be able to use them. This you will find is not the case at all. Many who usc with profit the material which the library has to offer have had no higher training than is common among the men and women in our offices and shops. The schooling one gets in life does not stop when we leave the halls of learning and take up work to earn our daily bread. Here at the General Electric we work in close contact with men and machines and learn, unconsciously perhaps, much that we did not know when we came here to work. This experience and training puts one in a good position to read articles along the line of work he pursues and such reading and study should give him knowledge that will help him with his job. During this past year we have made over 1100 loans of magazines from our files and during the same time have placed over 1000 requests on the Main Library at Schenectady for magazine articles which we did not have here at Fort Wayne. It would be laborious to get a record of all the instances in which we have loaned books during the year, but there are quite a number of people who use our books to improve their knowledge of their jobs. We have in our files books on economics, business organization, finance, accounting, chemistry, physics, mathematics, drawing, mechanical movements, machine shop calculations, safety, etc., as well as books along purely electrical lines. The field covered in both books and magazines is a broad one indeed and our indices of information will enable us to find something which will help you with your work. The library is here to do just that thing. Surely it is worth the time to come to the library and detcrmine what others have placed on record about the problems you are called on every day to solve.

Some of the books recently acquired are:

"College Physics," A. Wilmer Duff
"Profitable Investing," Moody
"Keys to Success" (Personal Efficiency), Forbes
"How to Finance Home Life," Lloyd
"Tips on Finance," Casson
"Organized Business Knowledge," Johnson
"Assuring Business Profits," Rand
"Taking the Guesswork Out of Business," Bassett
"The Science of Marketing by Mail," Buckley
"Tips on Selling," Casson
"Automotive Giants of America," Forbes and Foster
"Forbes Epigrams," Forbes
"Business Fundamentals," Babson
"Complete Business Arithmetic," Van Tuyl
"Vocational Arithmetic," Paddock and Holton
"Vocational Arithmetic," Dooley
"A Short History of Physics," Buckley
"Non-technical Chats on Iron and Steel," Spring
"Operational Circuit Analysis," Bush
"Heaviside's Operational Calculus," Berg
"Forty Years with General Electric," Broderick
"Laws of Management," Alford
"Health Maintenance in Industry," Hackett
"The Prevention of Vibration and Noise," Eason
"Vibration Problems in Engineering," Timoshenko
"Naturalist's Guide to the Americas."



Let's Get Started Today

THOUSANDS of dollars are wasted each year in shrinkage that we know of and classify. Other thousands are wasted that we don't know of until we find them on our cost sheets. Material dropped on the floor and left for the sweeper, faulty equipment, careless workmanship, poor supervision, all go to make up this loss. Not that we are inefficient as a plant compared with other plants, because in the main these losses are a challenge to every employee. Responsibility for reducing them is also ours. Their reduction is a mutual obligation, not the work of any one employee or group of employees. Supervisors, maintenance men, stock clerks, inspectors and packers, cost and production clerks, sweepers, every one of us must face the fact that it is our own particular job to do everything in our power to reduce these losses by reducing waste, and that *now, today* is the time to do it. *Let's get started.*

JUNIORS' PAGE

DEAR G-E JUNIORS:

Perhaps many times on a cold blustery winter day when you have looked out of the windows of your nice warm home and have seen little birds sitting on the bare branches of a tree or flying bravely in the cold wind, you have opened your windows and placed crumbs on the sills. That's just what Doris, the little girl in our puzzle picture, has done. Now she is looking for a hungry little birdie to come and eat the crumbs; but the little bird will not fly to the window sill and eat the crumbs until Doris has closed the window. Can you find the bird that is hidden in the picture? When you find it, take a piece of thin paper the size of the picture, place it over the picture and mark an X where you found the birdie. Send me this thin piece of paper with your letter.

I think you must have all been very busy getting ready for Old Santa's visit on Christmas eve, for I received only a few answers to the Christmas puzzle in the December WORKS NEWS. The names of the gifts that Jimmie wanted the most are, caramels, organ, elephant, bicycle, sailboat, silver watch, top, dog, gun, ark, music box and toy farm. Prizes were sent to Dorothy Gebhart at Fort Wayne and Richard Jackson at Decatur. Besides these two I received answers to the puzzle and nice letters, too, from Gene Platt, Vernon Dove, Derward F. Buesching, Elmar Devaux, Arno Schelper and Eleanor Schelper. I want to thank each one of you for your good wishes to me, and I surely hope that Old Santa brought you, each one, just the things you wanted.

I received letters and answers to the nut puzzle in the November WORKS NEWS *from* Margaret Evarding, Berniece Etzler and Robert Swank, but they came in too late for us to publish their names in the December WORKS NEWS. However, we always give credit for correct answers.



Paul and Alfred, Sons of William Moellering, Bldg. 19-4

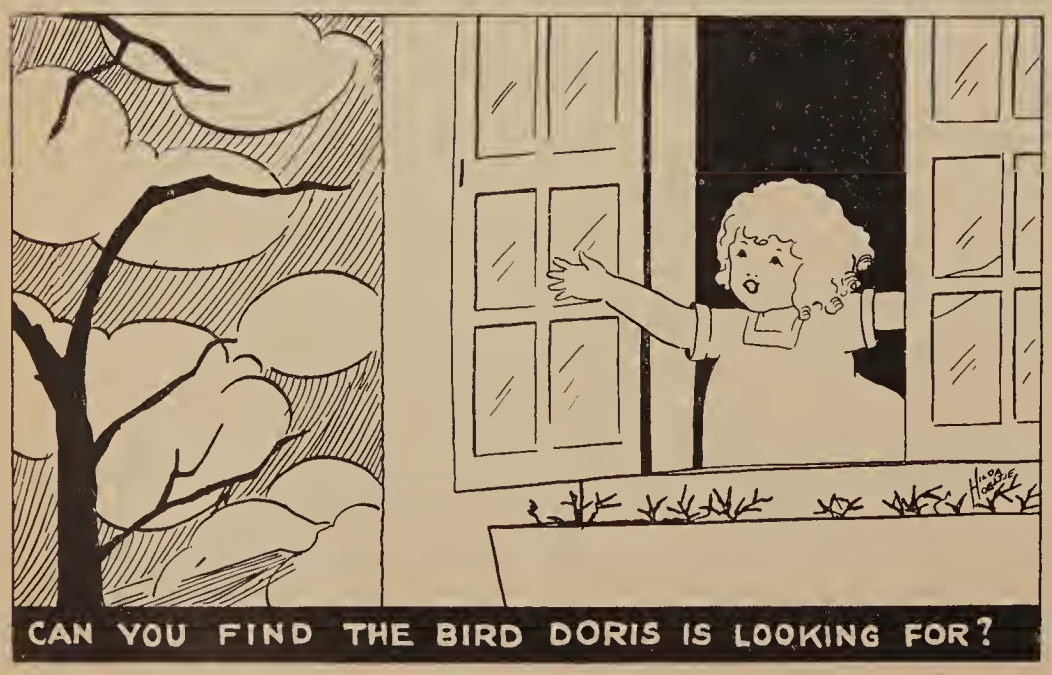
I am glad that we have two dandy pictures for our page this month. Paul and Alfred Moellering are the sons of William Moellering, who works in Bldg. 19-4. Jay and Ruth Davis' mother, Mrs. Flossie Davis, works as a time clerk in Bldg. 27. We'll be glad to have more of such pictures.



Jay and Ruth Davis

Now that your Christmas vacation is over, perhaps you will all have more time to write to me, anyway I'll be looking for your letters.

Yours sincerely, *Jill*



The Robin's Petition

When the leaves had forsaken the trees,
And the forests were chilly and bare;
When the brooks were beginning to freeze,
And the snow waved fast through the air,
A robin had fled from the wood
To the snug habitation of man;
On the threshold the wanderer stood,
And thus his petition began;

"The snow's coming down very fast,
No shelter is found on the tree;
When you hear this unpitying blast,
I pray you take pity on me.

"The hips and the haws are all gone;
I can find neither berry nor sloe;
The ground is as hard as a stone,
And I'm almost buried in snow.

"My dear little nest, once so neat,
Is now empty, and ragged, and torn;
On some tree, should I now take my seat,
I'd be frozen quite fast before morn.

"Oh, throw me a morsel of bread,
Take me in by the side of your fire;
And, when I am warmed and fed
I'll whistle without other hire.

"'Till the sun be again shining bright,
And the snow is all gone, let me stay.
Oh! see what a terrible night!
I shall die if you drive me away!

"And when you come forth in the morn,
And are talking and walking around,
Oh! how will your bosom be torn,
When you see me lie dead on the ground!

"Then pity a poor little thing,
And throw me a part of your store;
I'll fly off in the first of the spring,
And never will trouble you more."

—ANON.

The Robin in Winter

When the snow is on the ground,
Little Robin-Redbreast grieves;
For no berries can be found,
And on the trees there are no leaves.

The air is cold, the worms are hid;
For this poor bird what can be done?
We'll strew him here some crumbs of bread,
And then he'll live till the snow is gone.

—ANON.

Elma Schneck Hostess

(*Continued from page 13*)

Esther Moll and Marie Blough as Amos, Andy, Madam Queen and Ruby Taylor, respectively.

The Christmas colors and motifs prevailed in the decorative appointments and also in the details of the two-course luncheon served at the card tables. The frozen dessert was in the form of Christmas trees. Miniature Santa Claus' marked the places of the guests, numbering 24. The hostess was assisted during the evening by her mother, Mrs. J. F. Dellinger and Mrs. William Schoenemann.

A Christmas Dinner Party in the Transformer Dept.

MEMBERS of the Special Section of the Transformer Division in Bldg. 26-1 enjoyed a basket dinner in the department on Dec. 23. William Miller and Eugene McLaughlin, both former employees in the department but now retired, were guests. After the last crumb of the delicious dinner had disappeared Christmas gifts were exchanged and Louis Sordelet, the supervisor of the department, was presented a gift from the department members.

Those present were: Louis Sordelet, Eugene McLaughlin, William Miller, Bessie Chapman, Mildred Carrier, Ruby Greek, Marie Macke, Velma Vincent, Joyous Chaney, Esther Winters, Clara Peckhart, Lucile Saylor, Hazel Newport, Helen Dammeyer, Edsil Rodgers, La-Verne Yoder, Angeline Jackson, Gladys Freeman, Opal Judd, Ruth Braun, Pauline Kitchen, Lillian Funderberg, Gerald Harshberger, Harry Grimm and Paul Newman.

Bldg. 21 Bowling League Christmas Dinner Party

ON Dec. 22, the bowling league and other employees in Bldg. 21 held their annual Christmas dinner party in Bldg. 21. Under the capable direction of Selma Hoffman and Suzanne Benanti the long dinner table was beautifully decorated with little Christmas cherry trees, roses and red candles. Mr. Swager and Mr. Hockett deserve much credit for their noble work in carving the turkey. Neal Hench played Santa Claus and distributed the gifts from the lovely Christmas tree which graced one side of the room.

At the party were: W. F. Melching, Dr. H. W. Garton, L. C. Swager, Edward Witte, W. J. Hockett, I. H. Freeman, Neal Hench, Caroll Arnold, M. F. Einsiedel, Luella Bullerman, Selma Hoffman, Mrs. Minnie Fryback, Helen Hall, Margaret Nash, Grace Phillips, Irene Fox, Esther Moll, Suzanne Benanti, Madolyn Fisher, Esther Grable, Pauline Miller, Ann Rastetter, Annette Bauman, Mrs. Mary Woods and Mrs. Pearl Boyce.



Sylvester Richards, pensioner, and his brother whom he is visiting in California

ATHLETICS

Club Team Winning Majority of Games

THE G-E Club's basketball team has maintained a margin of victories so far this season, winning five contests and losing three, while playing against some of the best talent available in the midwest. The three games lost were dropped to the famous Akron Firestones, Olson's Terrible Swedes and the Cincinnati Big Four. The most notable victory was the 28 to 24 defeat handed the "Straus Says" team of Indianapolis. In their five games the G-E Club squad has piled up a total of 252 points to their opponents 217.

The locals have been playing fine ball. The accurate shooting of Evard, the tight defensive work of George Boots, former Purdue University star; and the general all-around playing of Slack, the youthful center, featured most of the contests. Holmes has been putting up his usual flashy floor work and Harry Spahr has been doing his part nobly to help put the score on the right side. Hutchinson and Hamilton have proven able substitutes when one of the others is having a bad time of it.

Some excellent attractions have been booked for the next month and they are the equal of the best that has appeared here in the past. The Indianapolis South Side Turners will be here Jan. 23. The Cleveland Pennzoils are scheduled for Jan. 28, and Olson's Terrible Swedes will play a return game on Feb. 5.

Following these are the Akron Firestones, with "Stretch" Murphy of Purdue and "Slim" Shoun, formerly with Ft. Wayne, the Cleveland Favorite Knits, and the Davis Sports Shop team of Chicago.

Evard Leading G-E Scorer

Byron Evard is leading the G-E Club team with a total of 60 points from 21 field goals and 18 free throws. Harry Spahr follows closely with 58 points from 20 baskets and 18 charity tosses. Preston Slack is just a point lower with 57 total

from 25 field goals and seven free throws. The individual scoring:

	G	FG	FT	Total	PF
Evard	8	21	18-13	60	5
Spahr	8	20	18-5	58	7
Slack	8	25	7-0	57	18
Holmes	8	14	12-9	40	15
Boots	8	17	13-8	47	25
Hutchinson	6	5	9-7	19	4
Hamilton	7	2	2-2	6	6

G-E Club-28, "Straus Says"—Indianapolis-24

The G-E five played its best game of the season to defeat a team of all stars from Indianapolis, playing under the colors of the "Straus Says" Clothing Co. All five of the visitors are well known in Hoosier basketball circles, four being members of the Butler National Interscholastic Champs of 1928-29. The names of Dana Chandler, Nipper, Holz, Bugg and Christopher are familiar to most followers of the net game. The game was featured by the accurate basket tossing of Evard, his three baskets and two free throws enabling the locals to gain a five-point advantage in the first half which decided the contest. The game was exciting throughout and exceptionally fast. Chandler led the visitors in scoring with four baskets. Christopher followed with three. Evard counted five times from the field and twice from the charity lane for 12 points. Slack, Holmes and Boots each contributed a pair of double markers.

G-E Club-15, Olson's Terrible Swedes-20

The G-E Club lost its first game of the season to a very worthy opponent, the famous Olson's Swedes, in a tight defensive game on the local floor. The Swedes owe their victory to their ability to stop the local scoring aces. Slack was the only one to connect more than once from the field. Spahr was held scoreless and Evard counted but once. The game was featured by the fancy backhand passing and shooting of Olson, the visiting team's manager. The Swedes built up a seven-point lead in the first half.

G-E Club-32, Akron Firestones-43

The G-E five lost its second game at Akron, Ohio, to another all star team, composed of such well known performers as "Stretch" Murphy, star of last year's Purdue team, and Byers, formerly of Olson's Swedes at forwards. "Slim" Shoun, the seven-foot-six youngster at center and Hal Griggs and Ray Burris at guards. Any team that can beat this aggregation of giants and sharpshooters has to be good. Holmes led the scoring for the G-E five with three baskets and a free throw. Slack slipped away from Shoun for three baskets. For the tire makers Shoun led the attack with four baskets and a free throw. Murphy had three baskets and a free throw. Burris had three baskets. Burdette, a newcomer, substituting for Byers counted three baskets and four free throws. The score at the end of the first period was 19 to 16 in favor of the Firestones.

G-E Club-54, Fremont K of C's-25

After dropping a contest to the noted Akron Firestones, the G-E five stopped at Fremont, Ohio, long enough to hand the Fremont prides a one-sided drubbing. This was due chiefly to the sharpshooting of Harry Spahr, the local curly-haired forward, who counted 11 baskets and a free throw, nearly enough to win single-handed. Slack slipped four double counters through the ring. Boots counted three baskets and a free toss. The G-E five piled up a one-sided score of 27 to 7 during the first period and was not in danger at any time during the contest.

G-E Club-31, Seneca Indians-25

The G-E five registered another win over the Seneca Indians of Buffalo, N. Y., in the G-E gym by the score of 31 to 26. The Indians, not a very formidable looking crew, always make the locals extend themselves to the limit to win. The G-E five piled up a 19 to 11 lead during the first period due chiefly to Slack's four baskets and Evard's trio of double counters. The Indians outscored the locals 15 to 12 in the second half. Evard was high scorer for the locals with five baskets, Slack followed with four and Boots counted three times from the field. Pierce and Schindler each counted three baskets and a free throw. Kenjockety registered a pair of baskets and a free throw.

G-E Club-24, Cincinnati Big Four-31

The G-E five were again forced to bow to the Big Four squad of Cincinnati. The locals just can't seem to break the jinx that one Howard seems to have on the local floor. The curly-haired forward was held pretty well in check this time, but in doing so Wright, the center of the visitors, broke loose for five baskets and three free throws to make the game safe. Kenny Roberts, the husky forward of the visitors counted four baskets and a pair of free tosses. For the locals Evard counted three times from the field and four times from the charity lane. Slack and Boots each counted a pair. The G-E five were leading 12 to 11 at the end of the half but could not stop the long range guns of the railroaders during the second period.

G-E Club Girls' Basketball Team

The G-E Club girls' basketball team has been chosen, and is scheduling games with both local and out-of-town teams.

The following girls are on the team: Kathryn DeArmitt, Ruth Vaughn, Opal Wright, Marcellean Curie, Lenora Braden, Mary Armstrong, Winnie Liggett, Mary Beachler and Dorothea Swank. Eldon Braden is coaching the team.

The first game of the season was the preliminary to the G-E Club game on Dec. 17, in which the Wayne Knits defeated the G-E Club Girls 26 to 18 in a fast and well played game.

The half ended 10 to 11 in favor of the home team. Liggett at center was the leading scorer for the home team with 13 points to her credit. Gipe was the leading scorer for the visitors and she succeeded in chalking up 10 points.

The line-up and summary are as follows:

G-E Club Girls

	G	F	T
R. Vaughn, f	1	0	2
O. Wright, f	0	0	0
K. DeArmitt, f	1	1	3
W. Liggett, c	6	1	13
L. Braden, c	0	0	0
M. Beachler, g	0	0	0
M. Armstrong, g	0	0	0
M. Curie, g	0	0	0
Totals	8	2	18

Wayne-Knits

	G	F	T
Gildea, f	1	0	2
Gipe, f	4	2	10
Merica, f	3	2	8
Spice, f	0	0	0
Beerman c	0	0	0
Pratt, c	0	0	0
Brown, c	3	0	6
Brighton, g	0	0	0
Scholenback, g	0	0	0
Totals	11	4	26

Referee: Miss Hilda Schwehn.

Mazdas Leading Industrial League

With four victories to their credit, the Mazda team is holding first place in the City Industrial League standings, and their continual improvement should assure them first half honors in the circuit. Coach D. Hamilton took advantage of the break in the schedule over the holidays and kept the team practicing against stiff opposition.

Tomorrow evening, Saturday, Jan. 17, the Mazdas are scheduled to play the Inca representatives at South Side High gymnasium. This game will get under way at 7:15. On the 24th, Mazdas play Tokheim at Central High gym, and finish the first round with Western Gas team at Central High gym on Saturday, Jan. 31.

Corson is leading the squad with a total of 23 points, Gamec has 18, and Braden and Fisher have 14 each.

Individual Scores

	G	FG	FT	Total
Corson	4	11	1	23
Gamec	4	6	6	18
Braden	4	5	4	14
Fisher	4	6	2	14
Nahrwold	3	2	3	7
Mossburg	2	0	2	2
Heater	3	0	1	1

G-E Juniors Scoring Victories

The G-E Juniors are stepping along in fine style and putting most of the games in the win column with large margins. They defeated the Question Marks 30 to 15; the Indians 27 to 25; Hebrew Juniors 51 to 6; Squares 27 to 12; Puritan, Jrs. 26 to 22, and Concordia Walther Leaguers 35 to 14.

Strouse is leading the squad with a total of 58 points, closely followed by Florent with 48 and Hunt with 46.

Individual Scores

	G	FG	FT	Total
Strouse	6	24	10	58
Florent	6	21	6	48
Hunt	6	18	10	46
Richards	4	8	6	22
Trentadue	6	5	4	14
Staight	6	3	0	6
Steiger	4	1	0	2
Evans	3	0	0	0

Inter-department Basketball League

Winter Street and Apprentice teams continue in the league leadership, closely followed by Main Office, Refrigeration and Small Motor teams in a three-way tie for second position.

Small Motor, champions for the past two seasons, were defeated by the Squares in an early season upset, and the Engineers came within one point of defeating the late starting Apprentice crew.

Some of the teams have completed their uniforms with corresponding trunks and sweaters and make a good impression when they appear on the floor. The type of play seems better than usual and some real contests are staged every Monday and Thursday evenings in the Club gymnasium.

TEAM STANDINGS

	W	L	Pct.
Winter Street	3	0	1000
Apprentice	2	0	1000
Main Office	2	1	667
Refrigeration	2	1	667
Small Motor	2	1	667
Tool Specials	1	1	500
Squares	1	2	500
Transformer	1	3	250
Meter	0	2	000
General Service	0	3	000

Next Monday evening, Jan. 19 Tool Specials play Winter Street at 8:00, while Main Office opposes Small Motor at 8:20. On Thursday evening, Apprentice plays Refrigeration at 7:30, Meter plays General Service at 7:50, and the Squares and Transformer teams play at 8:55.

Inter-department Volleyball League

The first half round of matches was completed this week and opening games of the second session are scheduled for next Tuesday and Friday evenings Jan. 20 and 23 in the Club gymnasium.

Motors continue in the lead, with Refrigeration and Winter Street tied for second place. Apprentice holds third position.

TEAM STANDINGS

	W	L	Pct.
Motors	20	1	953
Refrigeration	16	2	888
Winter Street	16	2	888
Apprentice	17	7	708
Main Office	11	7	610
Meter	12	9	572
Transformer	12	12	507
Drafting	10	14	416

G-E Club Charity Show Success

The G-E Club realized a nice sum for the unemployment fund as a good crowd of fans turned out to cheer on the mitt slingers and grapplers as they performed for charity. Eight amateur boxing bouts and a wrestling match between two of the state's leading light heavy-weights made up the card for the evening's entertainment.

Two of the bouts ended in knockouts before the scheduled three rounds were completed, and one was forced into an extra round before a decision could be made. A summary of the amateur scraps follows:

Russell Runkel won the decision from Herman Taylor, in an interesting welterweight bout. Runkel has taken part in several G-E Club amateur shows, and was the more experienced boxer.

Mike Walker was sent against Kenneth Manes, a great prospect and the sensation of the recent Club amateur show. Walker gave Manes a great battle but lost the decision.

Bob Hosler, Golden Gloves welter-champion, knocked out Ervin Swyart in the second round of a real scrap.

Clarence Welsh, another Golden Gloves champ, won the decision over Walter Shady in three rounds by his boxing ability.

Fred Gossett was given the decision over Gene Martin after a good battle.

Don Klint and George Patty staged a slugging match, but Klint proved stronger and stopped Patty in the second round.

Billy Edwards, Golden Gloves star, won from Ralph Jones, but was given plenty of opposition and Jones kept the bout interesting.

Probably the most thrilling scrap of the card was between John McCoy and Albert Byerly, middleweights. They battled away at top speed for three rounds and were so evenly matched the judges called for another round. Byerly received the decision at the end of the fourth.

In the wrestling match feature Frank Newport, G-E Club instructor, defeated Ralph Hancock, former holder of the state light heavyweight championship. Newport took the first fall with a body slam in 37 minutes, and the second in seven minutes with a headlock.

Two local lightweights, Ivan Kosack and Norman Faust wrestled 15 minutes to a draw and the Wyatt boys gave a 10-minute exhibition.

Nick Little, G-E Club boxing instructor, refereed the wrestling matches and Gus Klenke handled the boxing bouts. E. A. Barnes and Tom Atkins were judges, while Ray Lindemuth was timekeeper for the card.

Bowling Notes

Hal Stewart reached the goal of every spiller of the maples when he rolled a perfect 300 score while bowling with the G-E team in Scott's major league.



Hal Stewart

Hal almost registered a perfect game while shooting for Thanksgiving turkeys at the G-E Club alleys, when he rolled a score of 298.

Stewart will receive a gold medal from the American Bowling Congress for his 300 score and also one from the Fort Wayne Bowling association for highest single game for the season in sanctioned league play.

In a recent game rolled in the Journal-Gazette All-Star league, Hal totaled 1,103 for his five games.

With Stewart's 300, the G-E team of the Major league, rolled 1,140 in its last game, second high for the league.

G-E TEAM SCORES

Quinn	201	189	191
Schlup	224	206	197
Schrantz	154	168	199
Lud'man	204	198	253
Stewart	157	199	300
Totals	940	960	1140 - 3040

The G-E Club team rolled into 12th place at the Central States tournament held at Indianapolis on Dec. 21, with a total of 2,929 pins. Mineralites, of Chicago, rolling a total of 3,059, won first place.

G-E CLUB SCORES

Jackson	167	209	161
Harkenrider	179	190	181
Knoll	201	190	188
Stewart	208	163	218
Doehrman	192	255	227
Totals	947	1007	975 - 2929

The G-E Club team lost to Farnan Shoes in a recent match at the G-E Club alleys, the winners totaling 3041 for three-game total, to the Club teams 2898.

Bender led the field with 627, with Rump, Zurcher and Doehrman also going over the 600 mark. Doehrman's 246 count was high single game.

SCORES

FARNAN SHOES

Bender	193	211	223
Rump	227	202	180
Zurcher	194	194	230
Morton	170	221	201
Farnan	192	221	182
Totals	976	1049	1016 - 3041

G-E CLUB

Jackson	192	184	186
Harkenrider	219	158	200
Knoll	180	208	196
Stewart	162	161	234
Doehrman	160	246	212
Totals	913	957	1028 - 2898

G-E Club Girls' Team Wins Match

The G-E Club Girls' bowling team defeated the Waters Recreation Girls 2,588 to 2,541 at the South Bend alleys on Dec. 21. The Benders rolled 960 to take the first game, but the local girls took the remaining two by good margins.

In two sets of doubles Louella Klingenberger and Anita Rump defeated V. Lackey and M. Harbaugh, 1,120 to 1,007 while Erma Lackey and Bessie Lyons won from Stewart and Kemper, 1,011 to 922.

The G-E Club Girls will roll a match against the Jones & Baumrucker ladies team of Chicago, world champions of 1930, at the Waters Recreation alleys in South Bend on Jan. 25

SCORES

G-E CLUB GIRLS

Lackey	193	165	175
Lyons	170	194	174
Hueber	138	150	158
Klingenberger	168	172	158
Rump	170	242	155 - 2,588

WATER RECREATION GIRLS

Lackey	243	183	138
Wicker	168	144	141
Achenback	217	186	161
Bauer	133	138	169
Brown	199	168	163 - 2,541

Transformer League

FINAL STANDING—FIRST HALF

Team	W	L	Ave.	H1G	H3G
Oiltesters	22	8	788	885	2575
Ignitions	19	11	797	911	2585
Capacitors	16	14	772	864	2410
Radios	14	16	779	874	2435
Signlighters	13	17	766	890	2493
Potentials	13	17	761	847	2410
Toys	12	18	758	841	2419
Bells	11	19	762	876	2456

INDIVIDUAL AVERAGES

Name	G	Ave.	H1G	H3G
Cox	39	193.14	258	680
Kopp	30	188.12	245	683
Tagtmeyer	39	182.27	225	621
Kronmiller	36	177.31	232	574
Williams	39	174.28	247	625
Schlatter	39	173.5	211	561
Fryback	39	170.9	225	575
Zelt	39	169.10	221	555
Cook	38	169.4	230	591
Gallmeyer	39	168.14	218	580
Gargett	30	167.14	212	564
Fink	39	167.0	208	579
Leitz	30	160.28	214	563
Schurenberg	39	160.24	235	549
Smith	27	159.7	211	531
Fultz	15	158.8	199	507
Richey	33	157.32	220	543
Meeker	36	157.9	219	564
Weick	36	156.34	202	530
Rice	39	155.30	201	523
Adams	33	155.7	232	558
Bradley	39	154.22	212	562
Wilson	39	153.27	211	504
Harshman	39	151.33	204	534
Chadwick	36	150.27	179	496
Feighner	39	147.14	196	501
Redding	39	145.6	217	555
Sommers	39	145.4	191	521
Lantz	39	145.1	219	519
Elward	39	142.33	196	513
Vance	39	141.13	195	521
Law	39	140.26	202	517
Garta	39	140.7	204	462
Tharp	36	139.16	176	460
Staehle	24	139.13	178	489
Moyer	36	138.34	184	465
Gildea	24	130.4	176	456
Stonehill	39	126.23	198	448
Wickliffe	33	119.3	164	396
Young	24	100.18	154	365

Apparatus League

TEAM STANDING

	W	L	Pct.	Ave.
Cost	25	8	.757	814
Switchgear	22	11	.666	808
Brackets	19	14	.575	809
Armatures	16	17	.484	795
Frames	16	17	.484	778
D. C. Fields	16	17	.484	761
Print Press	15	18	.454	784
Edgewise Coils	15	18	.454	779
Bases	14	19	.424	783
Engineers	13	20	.393	796
A. C. Coils	13	20	.393	783
Test	13	20	.393	778

HIGH TEAM SCORE

One Game		Three Games	
Armatures	915	Armatures	2648

HIGH SCORE (INDIVIDUAL)

One Game		Three Games	
Schafer	258	Dicks	660

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
J. Schafer	33	190	H. Wirick	30	156
Schafer	33	190	Wirick	30	156
Dicke	26	188	M. Johnson	12	155
Poore	30	181	Spahr	28	155
Larentis	25	181	Moffatt	30	154
Blomberg	33	181	G. Johnson	30	154
C. Johnson	33	179	McDougal	21	154
Reese	33	178	Schotter	33	153
Hoke	33	174	Engleman	27	153
Cunningham	30	174	Baumgartner	30	153
Laisure	29	173	Henry	33	152
Braun	33	172	Reinschield	26	152
Borchelt	33	170	Momper	30	150
Zollinger	33	169	Braun	30	150
Zeig	33	169	Mertens	27	150

	G	Ave.		G	Ave.
Einehold	30	168	Telley	30	150
Wallace	33	167	Koch	33	150
Plaisted	33	165	Wehrs	30	149
Kaade	29	164	Head	30	149
Kellogg	33	164	Fowler	33	148
Patton	30	164	Strodel	27	148
Bushong	30	163	Koorsen	29	146
Whonsettler	33	163	Cooper	27	146
Starke	18	163	Hickman	33	142
Crowe	33	162	Prince	29	142
Hoelle	27	162	R. Smith	33	139
Ulmer	33	162	Muehlenbruck	33	138
Foultz	33	158	Enslen	30	138
Bills	27	158	Rogers	18	131
Weikart	33	157	Brenner	31	124
Evers	33	157	R. Smith	33	118

Small Motor League

TEAM STANDING

	W	L	Ave.
No. 6	7	2	840
No. 4	7	2	834
No. 7	7	2	830
No. 12	6	3	861
No. 5	6	3	841
No. 8	5	4	836
No. 11	4	5	851
No. 9	4	5	828
No. 2	4	5	815
No. 10	3	6	810
No. 1	1	8	797
No. 3	0	9	820

HIGH TEAM SCORE

One Game		Three Games	
No. 12	1037	No. 11	2624

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
Quinn	42	195	Agler	18	157
Franke	34	185	Lash	42	154
Rapp	39	184	Wilson V.	39	154
Tobias	21	181	Walt	33	154
Kromm	42	180	Graham	39	153
Cochoit	18	179	Rose	9	153
Straub	33	177	Gibson	33	152
Nicole	9	177	Stute	9	152
Joseph	42	175	Kroeger	42	150
McCullough	42	174	Kline	42	147
Heinley	36	174	Gilfillan	18	147
McKering	42	173	Marsh	39	146
May	39	173	Cooper, P.	39	144
Daley	42	171	Miller, E.	42	142
Cooper, G.	39	169	Noogle, P.	9	141
Stute, A.	42	169	Heuer	36	137
Meyer, O.	9	169	Oyer	39	136
Reiter	39	168	James	18	136
Meyer, J.	42	168	Hartman, M.	30	135
Hartman, G.	39	167	Archbold	42	135
Walt, W.	36	166	Auer	39	134
Hott	32	165	Tuerschman	30	132
Frauhiber	12	165	Vachon, E.	24	131
Ranck	42	163	Batson	27	131
Kirkendall	39	163	Sroufe	33	118
Larimore	42	162	Wilson, F.	39	117
McKee	24	162	Wurtzler	42	117
Mossburg	33	160	Wagner	6	109
Archer	42	159	Lhamon	42	105
Wyss	9	158	Gerber		

Foremen's Association League

TEAM STANDING

Team	W	L	Pct.	Ave.
Fire Dept. Nozzle	6	3	.667	873
Duplex	6	3	.667	866
Fire Dept. Hose	5	4	.556	856
Wire & Insul.	5	4	.556	850
Refrigerator	5	4	.556	850
General Service	5	4	.556	832
Tool Supply	5	4	.556	831
Transformer	4	5	.444	836
Water Cooler	4	5	.444	825
Meter	3	6	.333	851
Inspection & Test	3	6	.333	843
Small Motor	3	6	.333	822

HIGH TEAM SCORE

One Game	Three Games
Fire Dept. Hose—958	Refrigerator—2716

INDIVIDUAL AVERAGES

Name	G	Ave.	Name	G	Ave.
Harkenrider	42	193	Schoenlein	33	154
Buuck	36	187	Kabisch	33	154
Knepple	39	181	Bobay	39	154
Grimme	39	179	Hire	33	153
Tobias	21	176	Glusenkamp	36	149
Bennigan	36	172	Sivits	42	149
Foellinger	39	172	Platt	42	149
Bunting	42	171	Kissinger	39	149
Boyce	39	170	Weidelman	33	148
App	39	169	Auman	36	147

	G	Ave.		G	Ave.
Szink	42	168	Hart	42	147
Hermely	36	168	Meyers	42	146
Walt	30	167	Kammeyer	36	144
Schwartz	42	165	Kruge	39	144
Holloway	42	165	McAtee	42	143
Nahrwold	42	164	Harrigan	42	140
Prince	42	163	Gollmer	42	139
Kelsey	39	162	Gettys	21	138
Garihan	42	161	Steinbacker	12	137
R. Hoffman	30	161	F. Hoffman	6	136
Rockhill	36	160	Knocke	27	136
Schild	36	156	Tuttle	42	135
Weitzman	36	157	Anderson	24	134
Skevington	42	156	Simpson	24	133
Meuller	33	156	Klingman	39	130
Bienz	42	156	Banks	36	130
Schafenacker	38	155	Schwartzkof	42	123
Hall	42	155	Sordelet	9	122
Thiele	42	154	Miller	27	118
Herney	42	154	Wolf	6	98

Meter League

TEAM STANDING

Team	W	L	Pct.	Ave.
Bases	5	1	.833	871
Registers	4	2	.667	862
Jewels	4	2	.667	856
Covers	4	2	.667	843
Leads	4	2	.667	835
Discs	4	2	.667	831
Terminals	3	3	.500	831
Gears	3	3	.500	826
Elements	2	4	.333	806
Magnets	1	5	.167	803
Seals	1	5	.167	796
Pivots	1	5	.167	793

HIGH INDIVIDUAL SCORE

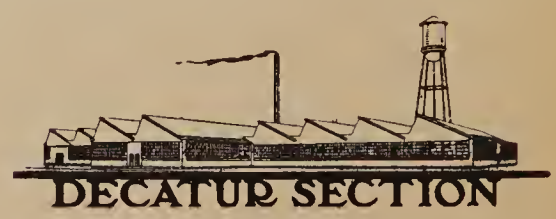
One Game	Three Games
Stewart—258	Stewart—727

HIGH TEAM SCORE

One Game	Three Games
Bases—965	Bases—2703

INDIVIDUAL AVERAGES

Name	G	Ave.	Name	G	Ave.
Jackson	39	196	Sexton	39	166
Knoll	39	195	Wood	6	165
Stewart	33	195	Castor	36	165
C. Rump	39	191	Beitel	39	163
Bushing	39	186	Didier	36	163
Thompson	6	184	Payton	39	162
E. Kammeyre	39	179	George	39	161
Lawrence	39	179	Bauer	33	160
V. Rump	36	178	Witherow	30	160
Nieman	39	178	Fisher	39	158
Reitdorf	36	177	Molthan	30	158
Dreyer	39	177	Laubenstein	39	158
Jacobs	36	176	Eylenberg	39	157
Hueber	36	176	Spade	36	155
Snyder	39	176	F. Kammeyer	33	154
Weick	33	175	Sordelet	39	153
Knock	39	175	Winstel	30	153
Schwartz	39	174	Steup	39	153
Heine	33	174	Hermely	33	153
Erne	39	174	Schwalm	39	152
Greek	36	174	Moellering	39	152
Luessenhop	6	174	R. Kammeyer	39	149
Haberkorn	39	172	Holben	39	149
Voorhees	18	171	Koehlinger	39	145
Schoenlein	38	170	O. Kammeyer	39	145
Schafenacker	39	170	Adams	39	142
Mettler	30	170	Payne	39	141
Evans	33	169	McCoy	39	141
Geisler	39	168	Haver	3	140
Johnson	39	166	Freehill	39	132



DECATUR SECTION

Big Christmas Party Held

THE first Decatur G-E Club Christmas party had an attendance of 725, counting both grown-ups and the children, and the happy way in which everything worked out gives evidence of careful planning and hearty coöperation of

everyone concerned. The party was staged at the K. of C. Hall, the largest place available in Decatur and the hall proved none too large for the jolly crowd which assembled. The event was held Monday evening, Dec. 22, the children's program opening at 7:30. After a short address of welcome by the chairman, Fred Engle, there was community singing led by Lorena Reppert and Niles White. Then Ethel Tumbleson took charge and presented a program of recitations, songs, instrumental music and playlets by the children, which was cleverly staged. There was at least one happily surprised parent in the audience for the father of one of the children on the program had no idea his child was to take part until the youngster appeared calmly on the stage and delivered his part. The showing of a three-reel comedy motion picture was followed by the appearance of Santa Claus with candy, apples, oranges and balloons, and this put all the kiddies in high glee. A count indicated that there were 292 children present for the good time.

After all the children had received their gifts, the floor of the hall was cleared for dancing and with an orchestra, assembled from musicians among the employees of the Plant, furnishing the music the grown-ups in the audience proceeded to have a mighty good time. Everyone, it seems, is enthusiastic about this party and many expressed a hope that there might be more of such meetings in furtherance of the spirit of coöperation and good fellowship so evident at this event.

Those on the committee in charge were: Fred Engle, chairman; Bert Gage, William Kohls, Richard Stoneburner, Ethel Tumbleson, Dorothy Johnson, Dora Miller, Lorena Reppert, Alva Buffenbarger and Carl Wait.

Program

Jingle Bells—Audience.

Recitation—Etola Jane Eady, daughter of Kenneth Eady.

Song—Flora Marie Lankenau, daughter of E. W. Lankenau.

Recitation—Donald Bohnke, Frank Bohnke's son.

Piano Solos—Mary Luetta Johnson, Rolla Johnson's daughter; Roger and Donald Arnold, Floyd Arnold's sons.

Recitation—Mary Jane Berry, Clyde Beery's daughter.

Playlet—Frances and Mary Myers, daughters of Mrs. Mary Myers.

Duet—Evelyn Kohls, William Kohls' daughter; Martha Jane Linn, Joe Linn's daughter.

Recitation—Betty Sautters, Mrs. Harold Sautter's daughter.

Harmonics—Mary Luetta Johnson, Rolla Johnson's daughter; Mary Steel, sister of Edgar Steel.

Dialogue—Louis Berry, Clyde Beery's son; Guy Koos, Harvey Koos' son; Keith Hunt, William Hunt's son; Paul Hendricks, Dora Miller's son; Leo Miller, Charles Miller's son; Donald Arnold, Floyd Arnold's son.

Closing Song—Mary Maxine Hilton, Andrew Hilton's daughter; Lois Sovine, John Sovine's daughter.

Basketball

In basketball, the Decatur G-E Club team has been having quite a successful season and many games have been scheduled for the new year.

On Dec. 2, the club defeated the Portland Bob Whites by a score of 34 to 23 in a game played at Decatur. On Dec. 9, the Albion Hubs were defeated by a 42 to 32 count. On Dec. 16, the Maxton Chevrolets furnished one of the cleanest yet thrillingly scrappy games yet played and the G-E Club earned their 32 to 29 win.

On Dec. 20 the club team journeyed to Berne and redeemed themselves from the defeat Berne gave the locals early in the season. The score in this second game was Decatur 33, Berne 25.

On Christmas Day the club team went to West Unity, Ohio, and came away with the short end of a 35 to 25 score.

Fort Wayne Hoosiers, in an exhibition game, played at Decatur, Dec. 26, took away the honors in a 33 to 27 score against the Decatur G-E team. On Dec. 27 LaFontaine, Ohio, was defeated on their home floor, 36 to 29.

The schedule for the new year includes: Markle Boosters at Decatur, Jan. 2; 1st Tri-State Bank of Fort Wayne at Decatur, Jan. 6; Albion Hubs at Albion, Jan. 7; Butler-Maxton-Chevrolets at Butler, Jan. 14; 1st Tri-State Bank of Fort Wayne at Fort Wayne, Jan. 19; Muncie Delco-Remy at Decatur, Jan 20; West Unity, Ohio, at Decatur, Jan. 27; Portland Bob Whites at Portland, Feb. 4.

Weddings

Gerke-Meyers

Miriam Meyers, of the office force, surprised her many friends by appearing with a box of cigars on Dec. 22, with the explanation that she and Winifred Gerke, of near Decatur, had been married on the Saturday previous, at St. Peter's Lutheran parsonage by Rev. Dornsief.



Mrs. Winifred Gerke

Lautzenheiser-McGill

Lena McGill, of the Collector Dept., has announced her marriage to Charles Lautzenheiser, which occurred at the U. B. parsonage at Decatur on Dec. 6, the Rev. R. E. Vance officiating.



The Children's Christmas Party at the Decatur Plant

Keep thy Shop and thy Shop will keep thee

[The Sayings of Poor Richard]



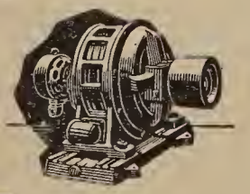
Just Published for 1931

AN Almanack

containing wise, thought-provoking suggestions for modernizing industrial plants and published in the firm belief that a penny spent on modernization to-day will be worth ten pennies spent to-morrow.



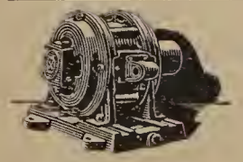
A certain group drive required 164 large bearings and 3600 feet of heavy belting. It was replaced by G-E individual direct-motor drive with 20 small bearings. Maintenance dropped from 65 cents to 12 cents per ton of product.



High power-factor is as beneficial to the plant as to the vendor of electricity. In many cases, the G-E sales engineer can show you how to pay for "leading-power-factor" synchronous motors out of the economies that follow their installation.



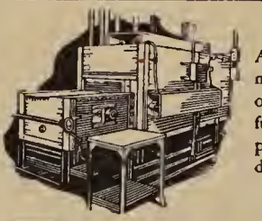
Instead of saying, "I can't use a synchronous motor here because I don't want it to stop at every voltage disturbance," call in the G-E sales engineer and ask him to show you the G-E time-delay devices which keep not only these motors, but all induction motors, on the line for all temporary voltage dips.



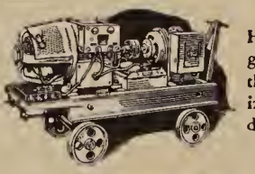
If power conditions in your plant will stand full-voltage starting, there are a number of G-E motors now available for this service that will greatly simplify your control equipment.



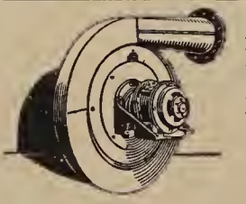
Continued bearing trouble was traced to an uninstructed night man who slapped off the belts by mishandling the starter and kept tightening them up to make them stay on. A G-E magnetic starter would have saved six months of trouble.



A New England manufacturing plant modernized its heat-treating department, at the suggestion of a visiting G-E heating specialist, by replacing four old fuel-fired, batch-type furnaces with a G-E automatic electric conveyor furnace. Handling costs dropped 60 per cent; production was tripled; the products were much improved; and the former high maintenance costs dropped out of the picture.



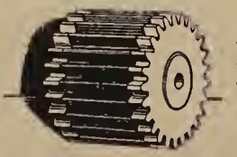
Hundreds of plants are getting "out of the red" and scores of little plants are growing big because they called in the G-E arc-welding specialist to help them modernize their products with arc welding—the greatest of modernization tools. It's almost impossible to strike an arc without improving design or cheating the scrap heap with a neat repair.



No better time to replace those old, inefficient blowers in the forge shop with modern G-E blowers that speed up production by maintaining uniform pressure on each furnace and reduce power costs because they are so efficient. Also, the operation of your cupolas can be greatly improved, and a substantial saving in coke effected, by installing a G-E cupola blower with automatic blast-gate control.



Give your plant engineer some G-E Thyratron or photoelectric tube equipments to play with and you'll be surprised at the number of places where he can use them to speed production, simplify control, and cut costs.



After you've replaced a stripped pinion on a motor shaft a few times, ask the G-E sales engineer to send you a Fabroil or a Textolite pinion. They outlive most other pinions by wide, wide margins. They practically eliminate noise, too.

Modernization Reduces Costs — Increases Profit

There are any number of ways in which the G-E sales engineer can help you to modernize. Ask him about them when he calls; or write the nearest G-E office.

GENERAL ELECTRIC

200-426 H

This advertisement, which appears this month in twenty industrial magazines reaching more than 243,000 men throughout the nation's industries, is part of the "Promote Modernization" campaign being conducted by the Industrial Department



The GE Works News

February 20, 1931

On the Cover

OUR cover picture for February has been selected not only as appropriate to the month in which we celebrate the birthdays of two great Presidents, Washington and Lincoln, but because it also illustrates one important phase of G-E activity, the lighting of public buildings. The picture shows a night view of the national Capitol after a snow fall as it appears under the glow cast by G-E floodlighting equipment.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 February 20, 1931 No. 2

Our Safety is Work Well Organized

THE extent to which safety work is organized here at General Electric is evidence of the importance our management attaches to this phase of our industrial life. The Safety Committee organization for the year 1931 which has just been announced lists 259 different individuals who are commissioned by their appointments to give especial attention to ways, means and practices to assure that those who work in our plants shall not be exposed to any hazard of life or limb that possibly can be foreseen. This large group of individuals actively identified with the official safety organization is expected to go much farther with its assignment to maintain safe and healthful operating conditions and practices than is commonly found in the everyday life of individuals at large. It is not at all uncommon to find in modern industrial plants an accident rate much lower than that in private homes, although we may feel that we are safer within the confines of our homes than we possibly could be in any other place. Without the attention given by industrial organizations to safeguarding machines, teaching safe practices and giving proper medical attention to the most minor injuries this, of course, could not be true. When the physical suffering and the monetary value of time lost by accident victims is taken into due account there is no one in any place, be it in the home, on the highway or in the factory, who can afford to treat with the least indifference any hazard of accident. This is what those who have given serious thought to the proposition implicitly believe and it is the spirit with which those in our Works' Safety Committee attack the many problems that confront them in improving our Plants' achievements in health maintenance and in accident prevention.

At the head of all Safety Work of General Electric is a general Inter-Works Safety Committee. W. J. Hockett is our Fort Wayne Works representative on this committee and in turn is executive secretary of the Fort Wayne Works General Safety Committee.

L. C. Swager, safety engineer of our Works, is chairman of the Works General Safety Committee and associated with him are Dr. Garton, Works physician, R. J. Hoffman, superintendent of Inspection and Test; Paul Grimme, chief of our Fire and Patrol Dept.; and the chairman and vice-chairman of the various Division Safety Committees. This general committee meets once a month, or oftener if occasion demands, and in their deliberations consider the accidents that have occurred and ways to guard against their recurrence, ways and means of advertising safety, inter-division and inter-department contests, safety rules, etc.

The Divisional Safety Committees take under advisement all plans, proposals or practices relating to safety in their respective sections, and such committees are composed of representatives from the various factory sections. While it is expected that anyone who has an idea to help safeguard the well being of employees will make his observations known, yet it is particularly incumbent on members of the Divisional Safety Committees to keenly observe at all times the condition or need of safeguards and the practices of their co-workers around them relative to safe working methods in order that potential accident possibilities may be removed before anyone is a victim of the unsafe condition. It is from these workers scattered throughout our shops that the greatest assistance can come and they are expected to be ever on the alert to see that everything at all times is in good order around them.

That everything may be known to be in good order from the safety standpoint, Paul Grimme, chief of the Works Firemen and Patrolmen, is in charge of regular plant inspections. These inspections are made once each month and cover every floor of every building both factory and office, and copies of his inspection reports are given to the General Superintendent and to the Works Safety Engineer.

The large safety committee as described in this article was originally organized in 1927. The accident frequency rate, which is the number of accidents per 100 full time employees per year, has been steadily dropping each year since. Last year it was the lowest in the history of the Fort Wayne Works, being 1.94.

While in general our Works may be proud of its records in the past, yet there must be no letting up in the energy with which our safety program is pursued. Department heads, foremen, workmen—all must co-operate in this regard or hazardous conditions and practices are sure to develop and as surely will take their toll.

The Fort Wayne Works Safety Organization is as follows:

General Works Safety Committee

L. C. Swager, chairman and safety engineer; W. J. Hockett, executive secretary; P. Grimme, plant inspector; R. J. Hoffman, E. L. Locker, J. Smith, W. N. Wehrs, C. W. Hale, H. F. Bennigan, M. Holz, W. N. Brown, E. J. Graham, L. D. Hodell, E. W. Lankenau, Albert Beery, Doyle White, E. Auman, J. H. Gargett, W. C. Walters, H. E. Hire, A. C. Treece, Dr. H. W. Garton, J. C. Grosjean, H. W. Brueggeman, H. W. Stahlhut, J. Fox.

Divisional Committees

METER DIVISION

E. L. Locker, chairman; J. Smith,

vice-chairman; Alice Daily, secretary. *Bldg. 26-4:* Helen Snyder, Bessie Smith, Dorothy Geiger, R. Kammeyer, H. Tinkel, H. Bauer, L. Jacobs, C. Dixon, F. Schafenacher. *Bldg. 19-4:* C. Steele, J. Brooks, E. Kade, E. Sweeney, L. E. Klingman.

TRANSFORMER DIVISION

J. H. Gargett, chairman; W. C. Walters, vice-chairman and secretary. *Bldg. 26-3:* C. P. Mentzer, D. W. Merchant, Doyle Miller, Goldie Mentzer, Henry Thorn, R. G. Urich. *Bldg. 22:* C. O. Tuttle, William Knuth, L. Hoffman, J. Sowers. *Bldg. 26-2:* R. C. Harruff, William Kline, R. Schemerhorn, G. Schurenberg, John Bryie, G. Evans, J. Kable, G. England, D. Poland, Zelma Kuyoth, Ed Leitz, S. Rodman. *Bldgs. 26-1 and 26-B:* F. N. Banks, C. A. Price, G. E. Hicks, A. Lecque, O. Ellingwood, G. Moore, W. Pohler, C. Combs, C. Druce.

FRACTIONAL HP. MOTOR DIVISION

E. J. Graham, chairman; L. D. Hodell, L. A. Erickson and C. F. Roembke, vice-chairmen; F. C. Graffe, secretary. *Bldg. 4-5:* A. L. Foellinger, chairman; L. O'Brien, vice-chairman; Albert Ray, secretary; Fred Schaaf, Forest Bunner, Margaret Bobay, Lillian Steup, Ed Klomp, Park Ranck. *Bldg. 4-4:* F. Korte, chairman; Leslie Logan, vice-chairman; Floyd Truelove, secretary; G. Roby, John Laymon, Ethel Grabner, Ralph Hare, Lorinda Beyerlein, Harriet Gaunt. *Bldg. 4-3:* C. A. Hartman, chairman; Harold Hart, vice-chairman; John Deahl, secretary; Walter Krieg, Clarence Watterson, Norbert Meyer, George Arnold, Mary Coles, Alma Enderle, Ora Goff. *Bldg. 4-2:* F. R. Hemrick, chairman; R. Henninger, vice-chairman; R. Halle, secretary; R. Bledsoe, H. Kirkendall, L. Clouse, A. Bear, C. Sible. *Bldg. 4-1:* W. H. Skevington, chairman; M. G. Pugh, vice-chairman; Ethel Fairfield, secretary; Louise Jones, Grace Smith, Walter Prince, Art Bashelier, Lowell Arnold, Earl Richter, Clarence Schroeder, Estele Grier, Sol Andorfer. *Bldg. 17-3:* A. C. Hartman, chairman; H. Bennett, vice-chairman; M. J. Harrigan, secretary; E. Etzler, Florence Sordelet, B. Offner, A. Alter. *Bldg. 17-2:* V. R. Castle, chairman; Russell Frey, vice-chairman; Genevieve Ayers, secretary; Norbert Gase, Faye Hostler, Ina Smith, Mildred Harber, Edith Vanrick, Ralph Solt, Frank Shidler, Ross Gebert, Elzo Mountz, Virgil Feland, George Shoner and Otto Helmrich, night representatives. *Bldgs. 17-1, 4-B, 6-B, 2-1:* William Walt, chairman; Everett Lindeman, vice-chairman; Bert Herman, secretary; J. Blakley, J. Johnson, Clyde Crabill, Ralph Nycum, Ernest Barr. *Decatur Plant:* E. W. Lankenau, chairman; Albert Beery, vice-chairman; L. V. Baker, secretary; Agnes Nesswald, Margaret Miller, Charles Baxter, Adolph Kolter, Ben Woods, Fred Chronister.

APPARATUS DIVISION

William Wehrs, chairman; C. W. Hale, vice-chairman; N. O. Leedy, secretary. *Bldg. 19-1:* J. Dennis, J. Kaade, O. Martin. *Bldg. 19-2:* J. Rehrer, H. Hibler, Edna Etzler. *Bldg. 19-3:* L. Patton, J. Williams, J. Henry. *Bldg. 19-5:* William Grover, C. Hurrah.

REFRIGERATION DIVISION

Max Holz, chairman; H. F. Bennigan, vice-chairman; A. S. Johnson, secretary; J. J. Rockhill, Victor Cartwright, Joe Deck, George Rekers, Ed Hullinger, A. R. Kabisch, K. L. Mettert, C. V. Bobay, E. J. Frye. *Bldg. 1-2 Winter St.:* John J. Rockhill, chairman; Victor Cartwright, vice-chairman; Joe Deck, secretary; Don Voorhies, Matt Krebs, Edna Lee, Ray Klotz, George Ellison, Paul Snyder. *Bldg. 2 Winter St.:* A. R. Kabisch, chairman; K. L. Mettert, vice-chairman; C. V. Bobay, secretary; Wehler Porsch, Lawrence Ruppert, Robert Firks, Rodney Dush, William Mills, Lawrence Repp, George Graue, Victor Northcott, Walter Cornelius, J. C. Hanna, Joe Simmers. *Bldg. 1-1 Winter St.:* George Rekers, chairman; Ed Hullinger, vice-chairman; E. J. Frye, secretary; Albert Nebur, Dan Bice, Don Clem, Waldo Berkley, W. Schmid, Herbert Bates. *Bldg. 27, Broadway:* William Brown, chairman; William F. Meyers, vice-chairman and secretary; A. Hume, E. Hunter, D. Parquet, S. Holmes, M. Marhenke, A. Burns.

GENERAL SERVICE DIVISION

H. W. Stahlhut, chairman; J. Fox, vice-chairman; E. Huth, secretary; H. Kruge, E. Harsch, M. Brown, E. Brockhall, J. Davis, O. Miller, W. Altekruse, H. Barnes, O. Porter, C. Taylor, C. Rehling, E. Girvin, C. Strong, V. Pearl, W. Grush, C. Hartman, S. Chapman.

SHIPPING AND RECEIVING

J. C. Grosjean, chairman; H. W. Brueggeman, vice-chairman; Cady Olmstead, secretary; C. Oberwitte, F. W. Deal, C. E. VanHorn, Henry Schwehn, Paul Merkert.

WIRE AND INSULATION DIVISION

H. E. Hire, chairman; A. C. Treece, vice-chairman; J. R. Snyder, secretary; C. Hewes, R. W. Whitehurst, G. Selby, E. Quillinan, C. Gardt, L. Scherer, H. Smith, A. Beck, W. Atteberry.

TOOL DIVISION

Doyle White, chairman and secretary; E. Auman, vice-chairman. *Special Machine Section, 26-5:* Delbert Rehm, Frank Glenn. *Toolmaking Section, 26-5:* Henry Gerdom, C. McDonald. *Toolmaking and Sample Section, 17-4:* J. Holsinger, E. Sonday. *Pattern Section, 10-2:* B. Girardot. *Tool Supply Section:* Karl Soest. *Apprentice Dept.:* Paul Berlien, Milo Schmidt, Wilmer LeVine, Herman Pence.

Support Your Safety Committee

Many Attend Banquet of Apprentice Alumni

THE annual banquet of the Apprentice Alumni Association which was held at Harry's Cozy Inn on Jan. 19 was attended by well over 100 members and guests. Incidentally a number of the larger Works of our Company were represented by guests which included E. W. Ernest, president of the Schenectady Apprentice Alumni; H. H. Bernadt and J. E. Erb, all of Schenectady; B. B. Hall of Erie, H. W. Lancaster of Pittsfield, H. E. Wells of Bridgeport, W. J. Arbing of Lynn. The guest speakers of the evening were Louis N. Rocca, of the Lincoln National Life Insurance Company, and Byron McCammon, local field executive of the Boy Scouts. Mr. Rocca gave an interesting address on the subject "Being a good sport" in which he urged the need of such attitude in one's relations with his associations in modern times. Mr. McCammon gave the assemblage many facts of interest in connection with Boy Scout work and asked that anyone present who might be interested in engaging in Boy Scout work report to him or James Jennings as there is urgent need at this time for additional qualified scout masters in the local organization.

Entertainment for the evening was centered in community singing led by John Craig, several delightful numbers by the Hotel Keenan Quartet and an interesting demonstration in the realm of legerdemain by the well known local magician, Clifford Kirkpatrick.

During the evening there were reports of several committees and one of those, the report of the election committee, showed that the mail ballot for new officers failed to elect a president as none of the three candidates for this office received a majority as large as required by the by-laws to effect a choice. The members of the Association present then voted by ballot for the office of president and James Jennings was re-elected to serve during 1931. The other officers elected for the current year are Paul Weitzman, vice-president; Delbert Roloff, recording secretary; Milton Kline, financial secre-

(*Continued on page VI*)



Laveda Schlup



Charles E. Weston



Ezra Brandyberry



Fred F. Ellinger



Russell Owens

Roe Ormiston Receives $350 Award

ROE Ormiston, of Bldg. 22, had a mighty good idea which he turned in as a suggestion regarding the process of making the separators for the trays used in freezing ice cubes in General Electric Refrigerators. The method of constructing these separators previously required two operations, first the blanking out of the separator parts from metal strip and then a swaging operation which had to be performed on the individual separator parts. Mr. Ormiston suggested a change in the blanking die so that the blanking and swaging were performed in a single operation. His award on this suggestion was $350.

Fred F. Ellinger, of Winter Street Plant, also presented a suggestion that proved particularly valuable. He suggested simply that the material for connector V-3509526 used in the Refrigeration Division be changed from copper to brass. The change in material proved very advantageous in the performing of the various operations required on the part and his award was $150.

Laveda M. Ramsey Schlup, of Bldg. 4-3, received an additional award of $75 on her suggestion of some time ago on which she was presented $50 award. The suggestion covered the use of a hairpin-shaped dummy in winding certain fractional horsepower motor stators.

Russell Owens, of Decatur Plant, suggested the use of special cams on the Cleveland Automatics in the machining of shafts at Decatur and was awarded $50 on the suggestion.

Charles Weston and Max P. Shaw, of Winter Street Plant, turned in a suggestion regarding a re-arrangement of welding booths and conveyors at Winter Street from which they shared in a $30 award.

Ezra Brandyberry, of Decatur Plant, was awarded $25 on his suggestion that a special tool be provided to replace springs in collectors of motors.

George Glossop, of Bldg. 27, suggested improvements in certain refrigerator compressor case dies and received $25 award.

Other awards made by Fort Wayne Works Committee on Suggestions during the period Dec. 28 to Jan. 24 inclusive are as follows:

George Cooper, Bldg. 4-5 ..... $10
Changes in the method of machining flywheels in Frac. Hp. Motor Division. (This award is additional to a previous award of $5.)

Harold Federspiel, Winter St.... 20
Securing chromium-plated wire screen from Schenectady Works. (This award is additional to a previous award of $35).

Ira Augsburger, Bldg. 4-5 ..... 7.50
Salvaging certain contact points in the Frac. Hp. Motor Division.

Delmer H. Denney, Bldg. 4-5... 7.50
Furnishing automatic screw driver for certain assembly operations on BKS type motors in Frac. Hp. Motor Division.

Mata Garver, Bldg. 19-4 15
Changes in routine pertaining to inspection of certain Warren motors in Meter Division.

R. W. Heckman, Winter St..... $20
Changes in operations on certain gaskets used in the Refrigeration Division.

Ruth C. Lemert, Bldg. 17-2..... 20
Providing turn tables for stators during connecting and similar operations in Bldg. 17-2.

Clyde Haidet, Bldg. 24..... 15
Improvements to shunt die used in the Transformer Division.

Forrest F. Wilson, Bldg. 6-1.... 15
Changes in the method of packing certain rheostats in the Shipping Dept.

Arthur C. Treece, Bldg. 12-B... 10
Changes in the method of cutting certain insulating material used in Frac. Hp. Motor Division.

G. H. Graue, Bldg. 27..... 15
Combining rough and finish forming tools for certain automatic screw machine parts in Refrigeration Division.

Ralph Deems, Bldg. 4-B..... 10
Installation of protecting shields for rollers on certain sandblasters in Fractional Hp. Motor Division.

Dwight L. Williams, Bldg. 4-4... 20
Removing paint, varnish, etc., from rods and hooks used at the various dipping and spraying operations by burning off.

Five dollar awards were made to the following employees:

Bldg. 4: Joe Middendorf, Howard S. Knight, Bonnie Carnes, Edgar M. Langston, Herman Kuhn, Garland



George Glossop



Merwin B. Haase
Award reported in Jan.



Max P. Shaw



Roe Ormiston

Roby, Virgil Anderson, (2) James H. Piper, Helen Freewald, Clarence Seslar, Beulah Wohlford, George Coplen, Martha Deford, Helen M. Rutz, William Gale Roberts, Robert T. Walt.

Bldg. 6: Ray Jacobs, R. E. Perkins.

Bldg. 10: Floyd McCague.

Bldg. 12: C. C. Noyes, Ralph Hoover.

Bldg. 17: Ellis R. Bleke.

Bldg. 19: Arnold G. Blombert, Kathryn Wilder, Edwin C. Koch, (2) George Kaade, Philip Weick, George I. Fields, (2) John George Momper, E. L. Auth, Frank S. Schmidt, John James Paxton, Arthur McNamara, (3) Genevieve Neher, Claude Hurraw, S. Alspaugh, A. D. Spenny, Sylvester Schmidt, Leonard F. Harsch, John B. Dennis, (2), Lee Isenbarger, Dale E. Lauer, Edwin G. Rodenbeck, Paul C. Miser, Ruth O. Battershell, J. V. Stouder, William Sivits.

Bldg. 20: O. W. Cartwright, George Cherry, Arthur J. Fryklind, John F. Fulk, D. McKering, Louis D. Hopper, (2) Edward F. Girvin, Wilber E. Robinson.

Bldg. 26: C. A. Ellingwood, Clarence E. Wagner, Roy Weick, James McCray, Earl Green, Erwin Melcher, Elda M. Lipp.

Bldg. 27: Theodore Branning, Robert Foster, Gayle Griffith, A. G. Lemish.

Bldg. 28: C. J. Monroe.

Winter Street: Louis A. Frantz, C. Goodson, Willis V. Lutz, Herbert R. Streit, Herman Kugler, Marvin Diehm, Safara Shanebeck, Eugene Phillip Fast, E. G. Bunting, Harvey Kreamer, William Bailey, Orville Melching, Guy R. Carnes, Donald H. Voorhies, Margaret Peppler, James J. Wagner, William E. Johnson, Everett Shultz, Emmett Melville, Rasor, Walter Gatton Edwin C. Rodenbeck, Kenneth J. Rupp, Frank P. Martin.

Decatur: Tillmon Gehrig, Arthur Bieberich, Russell Baumgartner.

Our Club House Manager

EVERYONE at Fort Wayne undoubtedly recognized the characteristic pose of Eddie Harkenrider, Club House Manager of the G-E Club, in the picture which appeared on the cover of the January WORKS NEWS. As the story about Eddie was inadvertently omitted it is given herewith. Eddie has been on the job here ever since our recreation building has been in service and during these years has made a record as manager which it would be hard for anyone to beat. Everybody who makes any use of the Club whatever knows Eddie, and calls him by his first name which in itself is a compliment indeed. Eddie, moreover, knows nearly everybody in return.

That Eddie is some bowler probably everone knows. Bowling really has been his profession for the past 22 years. He started in when he was only 19 years of age, on the old Brunswick Alleys on East Wayne. After four years in charge of alleys here in this city he went to Indianapolis where for 12 years he had charge of the Central Bowling Alleys, The Marion Club Alleys and the Beam Recreation Alleys in turn. During this period Eddie and his Indianapolis teammates were usually well up in front in the big events in the American Bowling Congress. In 1920 at Peoria, Illinois, this team was second in the five-men event with a score of 3056. Again at Milwaukee in 1923 this team was forced to accept second place although they rolled 3115, which it happens was the first score of over 3100 ever to be turned in at this national event. For eight of the 12 years these five men bowled together, they led all teams in the American Bowling Congress in yearly-team-average.

As to Eddie's personal records, he tells us that only once has he rolled a 300 score and that was in a practice game on the Brunswick Alleys here, back in 1910. Clyde Boyce, Bldg. 17-2, who was setting the pins on the alley will vouch for this score. However, as average is what rates the bowler, it is of interest to note that from 1920 to date Eddie has kept his average 195 or above. In his two best years, 1920 and 1921, his averages were 198 and 203, respectively, which anyone will agree was surely hitting the pins.

Our Club Alleys here have been mighty actively used under Eddie's control. In the first season, 1927-1928, there were nine leagues totaling 86 teams regularly using the alleys. For this year there are 14 leagues signed up totaling 122 teams.

Farewell Dinner

A DELIGHTFUL dinner was given on Jan. 21 in Bldg. 16-2 in honor of Fred C. Gossett, a graduate apprentice who is leaving his host of friends in the Fort Wayne Works to complete his studies at Purdue University. After the dinner was served Mr. Gosset was presented with a gift of remembrance and impromptu talks were made by each guest wishing him success in his studies.

Those present were Flossie Davis, Clara Myers, Anna Ruth Hogg, Fred Gossett, Gordon Smith, Clare Knepple, Ray White, Melvin Miller, William Nathan Brown, Arthur Wedler, Aug. Weisenberger, William Meyers, Harless Birt, Frank Schultz, Harvey Smelser, Joe Cline, Paul Perry, Clarence Bade, Oscar Weitzman, Wilbur Stocks, Clarence Hueber, Dennis Parquet, Joe Zephyr, Clark Scheid and Herbert Bates.

Many Attend Banquet

(*Continued from page IV*)

tary; John Lare, treasurer; Clarence Roembke, E. G. Stock, George Hahn and Laurel Fenwick, members of the Board.

The entertainment committee, which had charge of arrangements for the banquet consisted of Clarence Brenner, chairman; Karl Geller, John Craig, Virgil Asher, Henry Whitber, Ralph Dennison, James Jennings and James Hartzell.

Quarter Century Anniversaries

The following employees, with 25 or more years of continuous service, will complete another year in General Electric's employ on the days of March indicated below:

	Continuous Service Began	Years
E. J. Graham, 2-3	March 1, 1899	32
Frank J. Crighton, 10-2	March 2, 1901	30
Robert Orff, 6-2	March 12, 1903	28
James H. Rehrer, 19-2	March 15, 1895	36
Walter S. Goll, 18-3	March 17, 1897	34
William E. Ehrman, 19-5	March 20, 1893	38
Carl Sorenson, 19-1	March 21, 1898	33

Foremen's Association Studies Tax Problems

ON Jan. 21, the meeting of the Foremen's Association was one of the most entertaining and educational meetings ever held here. After a delicious steak dinner served in the Works restaurant at 5:30 p.m., the 200 members and guests in attendance enjoyed an exceptionally fine musical program presented by the Candle-light Singers assisted by Dorothy Hays Mistrot, violinist.

The Candle-light Singers is an organization of eight solo singers whose voices blend unusually well and their appearances as an ensemble have brought them much favorable comment. The personnel of the group is Mrs. Dorothy Griffith Lowe, Helen Limbert, Virginia Kinniard, Venita Steinacher, Charles L. Nichols, Karl Geller, W. Howard Miller and I. H. Freeman, the last three being General Electric men. The group is under the direction of Mrs. I. H. Freeman who also acts as the accompanist.

Following the entertainment the entire attention of the meeting was given to the subject of "The proposed new tax system for Indiana and its relation to the property owner."

The guest speaker of the evening, Arthur K. Remmel, editor of the *News-Sentinel* is a member of Governor Leslie's State Tax Survey Commission which is a nonpartisan commission created by a joint resolution passed at the 1929 session of the Indiana General Assembly. Recognized throughout the state as an expert on tax problems, Mr. Remmel brought to the meeting a message of concise information and clear reasoning which stimulated a great deal the interest in the subject of taxation.

The members of the Tax Survey Commission are serving without pay and at their own expense, and have no other purpose than to help the citizens of Indiana by working out a system of taxation which they hope will relieve the burden from property now overtaxed, and distribute it more fairly and equitably over other sources of tax revenue, without penalizing industry, agriculture or business of any character.

The points discussed were: (1) to eliminate all property tax for state purposes; (2) to distribute taxation equally; (3) to provide a means whereby every citizen who has reached his or her majority may contribute directly to the support of the state government.

Mr. Remmel discussed in his talk the various recommendations of the State Tax Survey Committee, the sales tax, income tax, etc., and pointed out the reasons for and against each of these various methods when used in procuring revenue for the operation of the state, county, township and city.

Following the address, there was a general discussion of taxation and possible means of reducing the amounts of money necessary to operate our state and local governments. Some of the questions discussed were:

(1) If a sales tax be imposed will the merchant be able to pass it on to the customer?

(2) Is the income tax a penalty upon ability?

(3) Do taxpayers exert sufficient vigilance in regard to the needs and requirements of their local units, as reflected by the budget which their taxing officials adopt for the basis of the local levy?

(4) Should the gasoline tax be reduced?

(5) Is a change desirable in our present system of electing and appointing assessors?

(6) Is the average assessor under the present system capable of appraising both real estate and personal property?

(7) Should tax be eliminated from all personal property that is nonproducing, (Household goods, for example)?

(8) Should townships be eliminated and the county be made the unit of government?

(9) Would it be advisable to reduce the number of counties? There are now 92 counties in the state, roads are good and automobiles and airplanes in effect reduce travel distances.

(10) Should every person be required to show a tax receipt before being eligible to vote?

Marcus J. Harrigan, president, at a short business meeting which followed, announced the appointment of E. J. Graham as vice-president to fill the vacancy caused by the transfer of Wilbur Young to Pittsfield Works.

Department Planning will be the subject for discussion and study at the February meeting with E. L. Locker, superintendent of the Meter Division, as principal speaker.

Deaths

Lillian T. Wilhelm

MRS. Lillian T. Wilhelm, 54, a matron of the Office Bldg. 18, was fatally injured when struck by an automobile as she was crossing Broadway at Scott Ave. on the evening of Jan. 24 and died while enroute to the hospital. Mrs. Wilhelm had been employed here since June 18, 1923, and had been on duty during the afternoon of the day on which she was injured. The funeral was held on Tuesday, Jan. 27, burial being made in a cemetery at Lebanon, Indiana.

John R. Hawk

John R. Hawk, 19, who was employed in the punch press section of the Fractional Horsepower Motor Division, Bldg. 17-2, was killed instantly on Sunday, Feb. 1 when the automobile in which he was riding was struck by a train at the Pennsylvania & Hartzell road crossing south of New Haven. Mr. Hawk's period of continuous service dated only from April 29, 1930, but he previously had been employed here in 1928 and 1929, first in the Distribution Dept. later in the Blue Print Dept. and finally as a stock room clerk in the factory. The funeral was held Feb. 4 from the Waynedale M.E. Church with burial in Prairie Grove Cemetery.

John Thompson

John Thompson, of the Punch Press Dept., Decatur, died at his home on North 8th Street, Jan. 12. Mr. Thompson entered the employment of the General Electric Company July 7, 1923, under Foreman Frank Braun starting as an operator of the stator sand blast. In April, 1926, he was transferred to the Punch Press Dept. as operator of a soldering oven, and he continued at this work until May 17, 1930, when he was taken sick.

Passenger Elevator in Bldg. 4 is Almost Human in Operation

INGENIOUS automatic machines which do almost everything but think are no particular novelty to those who are familiar with the equipment in our General Electric shops, but nevertheless those who are of the office force here at Fort Wayne Works will have occasion soon to get acquainted with one new piece of equipment which is so clever in its operation that there is a suggestion of human intelligence in its automatic control. We refer to the new passenger elevator that has been installed in the northwest corner of Bldg. 4.

This new elevator makes use of what may be termed pliotron control. The pliotron vacuum tubes come into the operation in the automatic leveling of the elevator with the building floors. So sensitive is this control that the floor of the cage must exactly line up with the building floor level before the elevator comes to rest and the doors open. If by chance the cage moves a bit too far it automatically will be backed up just sufficient to secure proper alignment—all done so smoothly that a passenger is scarcely aware that the car has been reversed.

Everyone who may have occasion to use the elevator will be interested in just what one must do to have it take him to any particular floor. There are just two things required:

First. Call the elevator to stop for you.

Second. Direct the elevator to let you off at the floor you elect.

The first of these two operations is done exactly as in the case of a manually operated elevator. If you wish to go to a higher floor press the button at the elevator entrance marked "Up" and await for the elevator to arrive. Just before it arrives a signal arrow will flash on the indicator informing you as to whether the cage is moving up or down—a red arrow pointing down indicates that it is on a downward trip. A green arrow indicates that the cage is approaching on a trip going the other way. If the elevator is going the way you wish to go you will of course enter the elevator when it stops at your floor. On entering you will step to the control panel inside and press the button bearing the number of the floor on which you wish to alight. The elevator doors will close slowly behind you and you will soon be on your way. In fact you will travel quite swiftly 500 ft. per min. but the rate at which you will be started and stopped are not extreme. The average person will feel no undue discomfort, so nicely adjusted is the accelerating and retarding control. When the elevator reaches the floor you have registered, the cage will stop and the doors will open to permit you to alight. A reasonable length of time is permitted you to enter or leave the cage but should you hesitate unduly in the doorway the doors will close slowly until they touch you. It is almost as if someone were to touch you gently on the shoulder and say "If you please I should like to be on my way."

One might imagine that when several passengers are on the elevator at one time with destinations at different floors and perchance passengers waiting on other floors with calls registered for the elevators to stop and pick them up the multitude of signals might get things a bit confused. Remarkably, such is not the case. On its upward trip the elevator will stop at each floor in turn on which it has a call or on which it has been directed to stop by passengers who already are aboard. It performs similarly on its downward trip taking care of all calls and stop signals in the earliest possible time. When the last passenger is discharged and there are no unfilled calls the elevator will remain indefinitely at the floor where it last stopped. However, it stands ready to go in any direction the next order may require.

Jot Down That Idea
And Turn It In
As a Suggestion!

There is just one additional thing required in using the elevator and that is you must identify your floor as the elevator stops for you to alight. The floor numbers are printed on the side wall of the entrance where they are easily discerned.

The elevator in question is known as a Warner G-E gearless drive, all the electrical equipment being General Electric. The traction motor, the motor-generator set which furnishes direct-current to the elevator motor and the two control boards are located in the pent house immediately above the elevator shaft. The control is too complicated to attempt to describe but in simplicity of operation there is little that could be desired. One comforting provision is the presence in the cage of one among the control buttons which may be pressed to call help from patrol headquarters, should the power go off and leave you marooned between two floors.



Walter Robertson



H. C. Anderson

Hans Anderson and Walter Robertson Join Quarter-Century Club

THE Quarter Century Club acquired two new members during the past month, H. C. (Hans) Anderson, Bldg. 19-5, and Walter Robertson, Bldg. 19-1.

Mr. Anderson qualified for membership with the required 25 years continuous service on Dec. 22, 1930. His service with our organization started at what was then our Madison, Wisconsin, plant, known as the Northern Electrical Manufacturing Co. He worked there as a machinist as he had learned that trade in Denmark, the country of his birth. When the Madison plant was discontinued Mr. Anderson moved to Fort Wayne con-

tinuing on machine work in connection with the crane motors originally manufactured at Madison. After crane motor manufacture was transferred to Erie Works Mr. Anderson was transferred to the Induction Motor Dept. and after transfer of that line to Schenectady became a member of the Apparatus Division. He now is the leader in the Shaft Dept., Bldg. 19-5 under Foreman Charles Strodel. As is natural for one who has lived in Madison, Wisconsin, he has a warm spot in his heart for its lakes and the recreations of motorboating and fishing. He says, however, any lake is a good lake when there are plenty of fish and they bite.

Mr. Robertson's service with General Electric started in the Meter Dept. on Jan. 9, 1906. Mr. Strube was the foreman under whom he worked and Mr. Robertson was assigned to the operation of one of the machine tools in the department. He continued as an employee of the Meter Dept. until after the war when a period of slack work made it desirable for him to transfer. Accordingly he was transferred to the Apparatus Division and was given work in the paint shop. It was in about 1919 that he took up the new work and he has remained steadily on such job to the present time. Although he is not an inveterate fisherman Mr. Robertson can tell you an interesting story of days when the rivers here had plenty of excellent fish and there was no trouble in catching all that you would want out of the St. Mary's or the St. Joseph.

Squares Stage Week-end Party At Potawatomi Inn

ONE of the outstanding events in the G-E Squares social activities was the party staged by the Club at Potawatomi Inn over the week-end of Feb. 7-8. The crowd numbered approximately 100 including the guests and demanded the whole of the dormitory facilities of the Inn. The program for the event included skating, dancing, bridge and good dinners. Formalities at the Saturday evening's dinner were restricted to an address of welcome by Kenneth Boger, president of the club, and a formal dedication of the week-end by K. R. McDougal, one of the members of the committee which made arrangements for the event. A 10-piece orchestra was on hand to furnish music for the dancing that followed. The Sunday noon dinner, the feature of the second day, was the occasion for the appearance of a mysterious speaker whose discourse covered the matter of proper week-end etiquette. Of course the party could not have been a success without a full complement of those of the fairer sex. It was withal a jolly crowd and it is inconceivable that anyone present should not have had a truly wonderful time. R. R. Black, K. R. McDougal and G. L. Fisher comprised the committee on arrangements.

In January appeared the first issue of *Square News* an interesting and quite worth-while publication devoted to news of Squares members and activities of the organization. K. R. McDougal is the official editor with R. R. Black and G. L. Fisher assistants. As reporters for the *Square News* there are the members of the club's publicity committee and all other committee chairmen. The first number makes an excellent impression and there is every indication that this new publication will fulfill its mission of establishing more intimate contact between the members, keeping everyone informed of activities of the organization and assisting new members in understanding General Electric ideals of co-operation and good fellowship.

W. L. Young Transferred to Pittsfield; J. H. Gargett Becomes Transformer Division Superintendent

WILBUR L. Young, who has been superintendent of the Transformer Division here for several years past, was transferred to the Pittsfield Works in January to undertake special duties there in connection with the manufacture of distribution transformers. Mr. Young has been in the employ of the Company since Jan. 20, 1913, when he came to our local Works as a wireman in the Electrical Maintenance Dept. After about one year he was advanced to the position of foreman in charge of such work. In 1923 he was transferred to the Factory Engineering Dept. and held special assignments in reorganizing factory planning work. After William Frisch, who was then superintendent of the Transformer Division here, was transferred to Pittsfield on Dec. 1, 1927, Mr. Young took over the former responsibilities of Mr. Frisch and soon thereafter he was duly appointed superintendent of the Transformer Division. In March, 1930, Mr. Young and Mr. Chadwick were the joint recipients of a Charles A. Coffin Award for the outstanding achievement of handling so effectively certain large orders for transformers and reactors that were placed on the local Works during 1929. The best wishes of a large circle of friends here at Fort Wayne go with Mr. Young as he enters upon his new duties at Pittsfield Works.



Wilbur L. Young



J. H. Gargett

The vacancy in the local transformer organization was filled on Jan. 6 by the appointment of J. H. Gargett as superintendent of the Division. Mr. Gargett, who for a number of years has been head of the Transformer Cost Section, came into General Electric's employ on Dec. 12, 1906, when he was given a position as clerk under August Kayser, who was then one of our shop foremen. After a time Mr. Gargett was transferred to the Shop Office force and since 1914 has been giving special attention to transformer costs. Mr. Gargett's former work in connection with transformer costs has been taken over by C. F. Tagtmeyer, of the Transformer Cost Section.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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J. E. Hall.....Quarter Century Club

Vol. 15 February 20, 1931 No. 2

Use Your Eyes

EYESIGHT is our best safeguard against accidents. As evidence of this fact, how often after an accident you hear someone involved say: "If I only had seen it" or "If I only had seen him." Such exclamations of regret are, if you observe, something of an admission of personal guilt; the individuals are almost stating that they didn't have their eyes open, else the accident would not have occurred.

Being a good observer will enable you to prevent many potential accidents. Careful workmen are keenly alive to accident hazards around them and are not so likely to injure themselves or cause accidents to others. They have eyes that see and accordingly are alert to situations or conditions that are fraught with danger to themselves and their fellowmen.

Keep your eyes peeled—know what is going on about you! Being wide awake is a first essential in obtaining success. Such an attitude only can bring results in our efforts to eliminate accidents from our midst.

Suppose I Lost My Job?

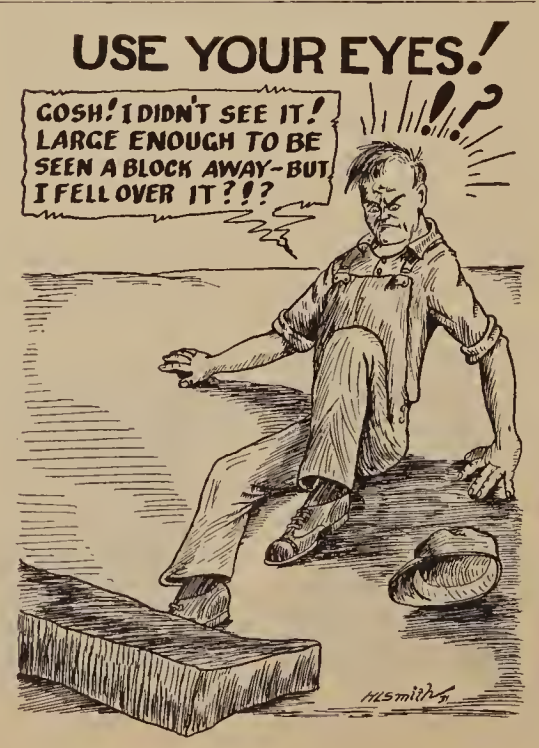
THAT'S it. Suppose you or I lost our jobs? Wouldn't we scurry around to look for another? And if we landed it wouldn't we buckle down and work like fury to hold it? Well what about our present job? Are we doing all we can to push the General Electric Company to success?

It is suggested that we ask ourselves what changes we would make if we were suddenly discharged from our present job, and were required to make good in an identical job elsewhere.

Why not imagine you are out of a job right now? When you go back to your job assume that you are a new employee at your job and that you are replacing the man who left for lunch an hour before. What about your work? Is it of the quality that is required? Is it in the quantity required? What can you do that will make the Company glad that you were hired?

An employee of a corporation confessed one day that he constantly asked himself what he would do if he unexpectedly found himself in competition with another person for his job. What changes in quality and quantity would he make to keep his job? By looking at his job from this viewpoint, the employee said he was able to find his weaknesses in doing his job and correct them.

Did you ever notice an employee the first day he takes new work? He rises early and is on the job at starting time. He feels and looks fit. He recognizes that he will be judged by what he does today and not what he did yesterday.



If all of us get something of the enthusiasm, freshness and vigor of the new competitor, or the new worker, into our daily work, we could quickly break all records.

We know what should be done but we do not always show the energy to do it. Often we are half asleep as we start to work. Unless we can apply spurs to ourselves we may be retired from competition and compelled to start anew.

"——News Letter, *Revised*"

Absent Employees

Glenn Goff, Everett Keese, Robert Houser and Albert Middaugh, all of the Apprentice Dept., who have been ill with diphtheria are improving and probably will be back at work soon.

Frank Walker, Refrigeration Dept., is a patient at the St. Joseph Hospital, where he underwent an operation.

Frona Witche, Small Motor Dept., Bldg. 4-4, is a patient at the Lutheran Hospital recovering from a recent operation.

George Michael, Refrigeration Dept., who is at his home, 4001 Robinwood Drive, recovering from an operation, reports that he is feeling fine and expects to be able to return to work soon.

Charles Price, Transformer Dept., Bldg. 26-B, is ill at his home, 706 Taylor Street.

Wilma Green, Ediphone Dept., Bldg. 16-3, is at her home recovering from a recent operation.

Marie Spees, Small Motor Dept., Bldg. 17-2, is at her home, 342 West Washington Street, recovering from a recent operation.

Marie Pfleidner, Order and Stores Dept., Bldg. 18-1, is at her home, 1129 South Clinton Street, recovering from injuries received in an automobile accident.

Howard Oesch, Bldg. 27, is now at his home at Hicksville, Ohio, recovering from an attack of pneumonia.

Norman Shane, Meter Dept., Bldg. 19-4, is now at his home, 3409 North Clinton Street, recovering from injuries received in an automobile accident.

Reinhold Frede, Small Motor Dept., Bldg. 4-4, is at his home, 1425 West Wildwood Avenue, recovering from an operation.

Esther Cupp, Small Motor Dept., Bldg. 4-2, who has been suffering from an attack of rheumatism, is improving and she hopes to be able to return to work soon.

Arthur Stoll, General Service Division, has been ill for several weeks with pneumonia, but reports that he is feeling much improved.

(*Continued on page 17*)

Thirty-eight Employees Receive Charles A. Coffin Foundation Awards

Citations This Year Cover a Wide Range of Company Activities

THIS year 38 employees of the Company from the Works and various district offices all over the country receive recognition from the Charles A. Coffin Foundation, which has since its inception in 1922 made 279 employee awards.

These awards, granted for outstanding service in the many fields of General Electric activity to advance the interests of the Company and in many instances the whole electrical industry, are democratically awarded to employees in all branches of service, whether they be workmen, foremen, salesmen, scientists or executives, according to merit. And this little corps of those honored forms an industrial fraternity of quality, a group of men carrying on the traditions of Charles A. Coffin, first president of the Company, in whose honor the foundation was established.

Mr. Coffin was a dynamic, progressive, leader of men, an executive who had the foresight and courage to bring the newest developments of science out of the laboratory, and place them at the disposal of mankind. His whole career was a series of accomplishments. He came to Lynn seeking opportunity as a boy of 18, whose only resources were youth, health and ambition. At the age of 29, he was a partner in a successful firm manufacturing and selling shoes. At 40, he shifted the field of his endeavors entirely, and was starting out courageously in the uncharted waters of electrical manufacturing. With his enthusiasm and organizing ability, he gave a tremendous impetus to the new industry.

At 50, he organized the General Electric Company. And then, at the age of 78, still vigorous, alert and stimulating, an outstanding leader of American industry, he gave up active participation in the management of the Company.

In appreciation of his efforts, the Company in that year created the Charles A. Coffin Foundation. And now each year, members of the G.E. organization who have made outstanding contributions to the development of the Company for which Mr. Coffin did so much, receive recognition linked with his name. The tradition of foresight, courage and service is being carried on.

Summary of 1930 Awards

The Charles A. Coffin Awards are distributed over the various groups of employees as follows:

Workmen	7
Foremen	4
Tool Designers and Expert Mechanics	6
Engineers	12
Commercial Men	5
Administrative Dept. Employees	3
Construction Foremen	1
Total	38

Since the institution of the Foundation, the record of awards has been as follows:

1923	50	1927	26
1924	43	1928	28
1925	30	1929	37
1926	27	1930	38

Recommendations for these awards are made with the greatest care. Only cases of clearly outstanding merit are considered even in the recommendation stage. And this year 116 men were thought worthy of the honor. But after the recommendations were carefully weighed and judged by a committee consisting of vice presidents J. G. Barry, W. R. Burrows, A. G. Davis, and C. E. Eveleth, J. E. Kewley manager of the Incandescent Lamp Dept., and S. L. Whitestone, comptroller of the Company, only 38 were chosen. Each citation is accompanied by a certain sum of money in G.E. Employees Securities Corp. bonds.

The continued growth and prosperity of the Company depends largely on the progressive qualities shown by the men who have received the award, qualities developed to the highest degree in Charles A. Coffin. To be honored in his name confers great distinction.

The Awards

Mr. Blake has been honored for his contributions to the central station industry and the Company's prestige and business through improvements he has made in electrical distribution systems. Mr. Blake's outstanding work was done in secondary networks by the addition of phasing relays to the network protector. This makes the network system applicable to a wide variety of conditions.



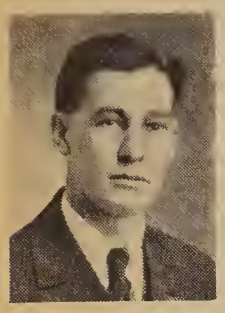
David K. Blake
Central Station Eng.
Schenectady

Mr. Bunker developed a new method of inserting coils in induction motor stator slots, producing a better quality of product at lower cost. The old method of insertion was entirely by hand. The fixture designed by Mr. Bunker makes it possible to insert the coils mechanically without damage to the wires at a great saving in both time and material. This is Mr. Bunker's third Charles A. Coffin Foundation Award.



Riva L. Bunker
Mfg. Methods Dept.
River Works

In addition to his regular duties of apprentice training, Mr. Butler found time during the past year to make a number of highly important improvements in manufacturing methods, and to develop several new applications of cemented tungsten carbide tools. His most significant accomplishments have been the designing of: a machine for flanging tape, a machine for washing rust from washers formerly washed by hand, and a machine for milling flexible shaft burrs.



Howard E. Butler
Foreman
River Works

Mr. Carichoff is recognized for his outstanding initiative, ingenuity and skill in developing unique and basically new designs in a-c. and d-c. contactors, greatly improving their operation. In addition, these designs, through the use of interchangeable parts have improved manufacturing conditions, and reduced the number of spare parts carried by purchasers. A substantial amount of business is affected by his designs.



Eugene R. Carichoff
Ind. Control Eng.
Schenectady

Mr. Carter was given the responsibility of making changes in the electric drive equipment on the buses of a large transportation company, and with unusual initiative and perseverance, he not only saw the first installation through but was able to prove that the major difficulties at first encountered were not the fault of the electric drive. The goodwill he created is shown by the fact that of the 1395 buses with electric drive owned by this customer, 1330 have G-E equipment.



Leon T. Carter
Field Eng.
New York District

Mr. Cassavant with unusual skill and originality, devised many improvements in machines used for covering wire, and has done exceptional work in reducing maintenance charges and in keeping machines in proper condition. During the course of a year he turned in 14 suggestions, 12 of which were adopted with savings totalling $7000 annually. Most of these suggestions concerned improvements in the operation of wire covering machines.



Paul W. Cassavant
Millwright
Pittsfield

Mr. Finley is cited for his outstanding initiative and ability in suggesting the substitution of materials used in the manufacture of refrigerator cabinets. He recommended the use of common sheet steel instead of deep drawn steel for conduit brackets; hot rolled, single pickled steel instead of deep drawn steel for bases, and hot rolled, pickled steel instead of cold rolled and annealed steel for bottom plates.



Perry T. Finley
Order Clerk
Schenectady

Mr. Flaws made an outstanding contribution to the incandescent lamp business through his conception and development of an automatic machine for mounting filaments in gas-filled incandescent lamps. Not only has the machine reduced costs to the extent of $100,000 annually, but it has enabled lamp engineers to design a superior lamp. In addition, the elimination of the old hand method of mounting has greatly increased production. This is Mr. Flaws' third Coffin award.



John Flaws, Jr.
Mechanical Lab.
Incandescent Lamp
Dept.

Mr. Harris has contributed largely to the success of G-E gas-electric drive for buses. When the equipment was first tried out in 1925, it was found to be too heavy and expensive to compare with mechanical drive. Radical improvements were needed, and Mr. Harris took up this work and carried it through so successfully that 2257 bus installations are in use today.



Walter C. Harris
Transportation
Eng.
Erie

Mr. Hill went beyond the scope of his activities as an industrial heating specialist, and developed ideas which lead to new uses for industrial heating appliances. One of his outstanding achievements is the development of an electrically heated steam boiler or so-called "steam generator," having a minimum of water content, and embodying the principle of "accumulator capacity," thus overcoming the weakness of previous designs.



Frank H. Hill
Heating Specialist
E. Central District

Mr. Hull's many inventions and his outstanding engineering work in developing many types of polyphase commutator machines has enabled the Company to hold a position in this country preëminent in this field. During the past year Mr. Hull conceived the idea of a very novel low frequency generator, and a machine was successfully built and applied to a paper machine drive. This invention will be of great value in many fields.



John I. Hull
Designing Eng.
River Works

Mr. Inman is cited for his outstanding contributions which have resulted in distinct improvements in the General Electric Mazda lamp. Though Mr. Inman is a chemist and not a physicist or an engineer, most of his accomplishments have been made in the field of physics and mechanics in improving the quality of G-E lamps. He has shown true engineering instincts.



George E. Inman
Chemist
Incandescent Lamp Dept.

Mr. Ives, who has a continuous service record of 43 years, is honored for his outstanding contributions made in the development of special tools and methods. His broad experience along mechanical lines has been used to advantage in the development of many of the electrical devices and tools perfected in recent years. He is known among his supervisors and fellow employees as a master workman, and whenever difficult problems arise his advice is often requested.



Leonard Ives
Machinist
Schenectady

Mr. Jalonack has been cited for an unusual service to the Company, that of criticism. With unusual initiative, ability and cooperative spirit, he prepared several papers which embodied a high degree of constructive criticism for several groups of salesmen. The Sales Committee of the Company considered the papers of such value that they sent copies of the talks to every sales office. One of his most outstanding papers, "High Hat," was especially stimulating.



H. M. Jalonack
Transformer
Specialist
New York Dist.

Mr. Junggren is cited for his outstanding accomplishments as the creator and designer of large turbine units and particularly for the invention of the steeple compound turbine which is a distinct advance in the art. Mr. Junggren is an outstanding figure in the turbine field. Large turbine units recently built or on order designed by him, in the aggregate total almost twice the power of those designed by all other engineers in the world.



Oscar Junggren
Consulting Eng.
Schenectady

Mr. Knoche noticed that certain automatic machine tools were not functioning correctly, resulting in the burning of the cutting tools, choking and jamming of the machine with the shearing of the wood safety pin, making frequent set-ups necessary. Going beyond his regular duties, he designed a new tool-holder which was so successful that one of the automatic machines has been released for other duties even in the face of an increasing production schedule.



Walter P. Knoche
Factory Operator
Fort Wayne

414789

In collaboration with Fred W. Ralston, Mr. Leonard was instrumental in demonstrating to the sporting world at large, the feasibility of lighting outdoor sports at night. Showing great resource and persistence, he not only sold but installed the highly successful floodlighting equipment for night baseball at the Des Moines minor league club. Through the publicity this installation received, he opened a new and large market for G-E products.



James A. Leonard
Salesman
Central District

Early in 1928, Mr. Leishman was sent to Buenos Aires to supervise the installation of two huge turbo-generator sets. During the installation period of over a year, he worked often 18 hours a day, Sundays and holidays. When it was found necessary to give the generator field retaining rings a special heat treatment, he dismantled the generator and treated the rings in a furnace of his own making. In every way he rendered an exceptional bit of service, which was greatly appreciated by this large customer.



A. C. Leishman
Turbine Construction Engineer
Schenectady

Mr. Lund, who though only 27 years old has been with the Company for 13 years, is cited for his many valuable suggestions made in connection with improvements in design and manufacturing methods of control apparatus, on electric refrigerators. Eight of his more outstanding suggestions which concern changes in the design of refrigerator control have effected savings of almost $15,000.



Soren Lund
Toolmaker
Schenectady

When Mr. Male was appointed foreman of the Drop Forge and Blacksmith Depts., the costs of forgings were abnormally high. Through his ingenuity, he was able to rearrange and break down the manufacturing process, making it a progressive job, reducing costs without adding to equipment investment. In a single year, in spite of a drop in orders, he was able to reduce overhead costs and effect savings of over $33,000.



Louis J. Male
General Foreman
Schenectady

Mr. Markham, with unusual enthusiasm, initiative and perseverance, proposed and planned the first comprehensive radio agricultural program, which was broadcast by WGY in 1925, and has developed it until today it is recognized as the most popular and helpful of its kind. Through these broadcasts Mr. Markham has also done extremely valuable work in promoting farm electrification, and creating friendly relations for G-E in rural areas.



G. E. Markham
Radio Forum
Conductor
Schenectady

Mr. Paul, working in close cooperation with W. F. Skeats and W. H. Turnpenny, helped to invent and develop the oil blast explosion chamber principle applicable to oil circuit breakers for all types of duty. This apparatus resulted from the demand for a circuit breaker that would not only protect power networks more efficiently, but also fit into a very compact space. This apparatus is a distinct advance in the field, and has strengthened greatly the Company's position.



William E. Paul
Electrical Eng.
Philadelphia

Mr. Peterson, who has been in charge of the Mica Dept. since 1894, is cited for his outstanding accomplishments in the introduction of automatic machinery for the production of mica, thereby improving the product and greatly reducing the cost. His two most significant developments recently have been the introduction of an automatic mica taping machine, which has saved $375,000 in three years; and an automatic mica laying machine which saves $55,000 annually.



Charles F. Peterson
Sec. Superintendent
Schenectady

In spite of the fact that the Company had abandoned the field of single-phase a-c. railway motors because of certain mechanical difficulties, Mr. Pritchard insisted that a radical improvement could be made. A car equipped with motors redesigned by Mr. Pritchard operated so successfully, overcoming the old commutation difficulties, that the Company has been placed in a position of leadership in this field.



F. H. Pritchard
Transportation Eng.
Erie

While installing floodlights on a field for a celebration of the Lynn Works G. E. E. A. A., Mr. Ralston saw some boys playing baseball under the lights. They had no difficulty in seeing the ball, so he went ahead with plans for lighting outdoor sports at night. He perfected his plans, and last fall, working with J. A. Leonard, he helped install night baseball lighting equipment at the Des Moines minor league club, which installation added greatly to the Company's prestige.



Fred W. Ralston
Street Lighting Eng.
River Works

Mr. Remington, in addition to performing his regular duties of recording costs in a very satisfactory manner, has shown unusual initiative and ability in making valuable suggestions for the improvement of methods, substitution of cheaper materials, elimination of unnecessary labor operations and the reduction of waste in the manufacture of refrigerator cabinets. Total savings effected by his suggestions over the past four years average $120,000 annually.



M. J. Remington
Cost Clerk
Schenectady

The difficulty of making a perfect soldered contact on the center contact of the Edison lamp base, had long troubled the Incandescent Dept. Mr. Rippl attacked the problem from an entirely new angle, and with great skill and perseverance developed a method of rivet soldering that has practically eliminated the defect of no contact or poor contact. This has improved the product, improved production and reduced costs.



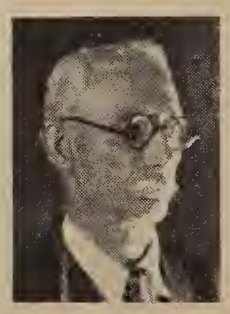
Francis J. Rippl
Mechanical Lab.
Incandescent Lamp
Dept.

During the past three years, Mr. Scharbach has been constantly on the trail of ideas for the elimination of waste, and has consistently made valuable suggestions which have resulted in the use of cheaper grades of material, the elimination of unnecessary labor, and the reduction of waste. The savings during this period are estimated to aggregate approximately $60,000 per year. His suggestions deal principally with conditions in refrigerator box manufacture.



Frank J. Scharbach
Cost Clerk
Schenectady

Mr. Shantz is recognized for his skill and ingenuity in designing and building automatic machinery for use in manufacturing radiotron bases and many other machines and devices, thereby effecting large savings. His most outstanding contribution is perhaps the design of a machine which automatically inserts the contact pins into the molds of radiotron bases. Such a machine had previously been experimented with at both Pittsfield and the Harrison Lamp Works without success.



William H. Shantz
Foreman
Pittsfield

Mr. Sheppard, beyond his regular duties as a mason, showed great initiative and ingenuity in suggesting the redesign of the electric aluminum melting furnaces by changing the shape of the pit and using an iron box to retain the molten metal when the melting pot breaks. It is estimated that the old furnaces had a life of two years, and the new type will last five years. They have also reduced delays in production and overcome many minor difficulties.



Wm. A. Sheppard
Mason
River Works

Mr. Sillerman, who has been with the Company for 31 years, is an outstanding workman, and in addition to turning in many valuable suggestions, has through his knowledge of winding methods been very helpful in solving the many problems which come up in the Winding Dept. where he is employed. His outstanding contributions to the Company have been in connection with improvements in tools and methods for manufacturing motor windings.



William Sillerman
Gang Leader
Schenectady

Mr. Skeats was one of a group consisting of W. E. Paul and W. H. Turnpenny, which is responsible for the invention and development of the oil blast explosion chamber principle applicable to oil circuit breakers for all types of duty. Mr. Skeats' particular contribution to this development was the analysis of circuit behavior so that relative difficulty in interrupting the various circuits can be determined quantitatively by calculation.



Wilfred F. Skeats
Electrical Eng.
Philadelphia

Mr. Strickland is honored for a highly significant contribution to the electrical art, his development of a popularly priced, mechanically simple source of ultraviolet rays, the G-E Sunlamp. He achieved this result by a combination of continuous tungsten filament and a mercury arc operated in multiple, making mechanical starting apparatus unnecessary. Because of its simplicity, freedom from health hazards, and low cost, the lamp has been enthusiastically received by the public and the medical profession.



Royal F. Strickland
Electrical Eng.
Incandescent Lamp
Dept.

Mr. Titus, by his willingness to help his fellow-workers and through the personal interest shown in his work, has eliminated many of the manufacturing difficulties common in the assembly of magnetically operated valves. It was suggested that the valves be so made as to give the customer interchangeability of parts. Mr. Titus became interested, and through his efforts new methods were adopted, saving $10,000 annually.



Harry E. Titus
Bench Machinist
Erie

Mr. Turnpenny, one of a group consisting of W. F. Skeats and W. E. Paul which was responsible for the invention and development of the oil blast explosion chamber principle applicable to oil circuit breakers for all types of duty. The improved high speed in breaking a circuit attained by their work has become essential to networks, and their work has greatly added to the prestige of the Company in this field.



Wm. H. Turnpenny
Designer
Philadelphia

Mr. Vars showed a great deal of ingenuity and mechanical ability in designing a special edgewise winding machine for winding resistors. This machine is entirely unique in its departure from the conventional automatic machine inasmuch as there are very few cams and gears used. It is wholly electro-pneumatically operated, and can be started or stopped by turning the air supply valve. The annual savings effected total $10,000.



Ethan W. Vars
Head Tool Planning
Sect.—Erie

Trouble arose in the operation of a voltage regulator used by an important G.E. customer. Various attempts made to improve the operation were without success. Finally Mr. Walton stepped into the breach and made adjustments which literally saved the day. In doing this work, he displayed unusual initiative and perseverance, and won the high commendation of the customer.

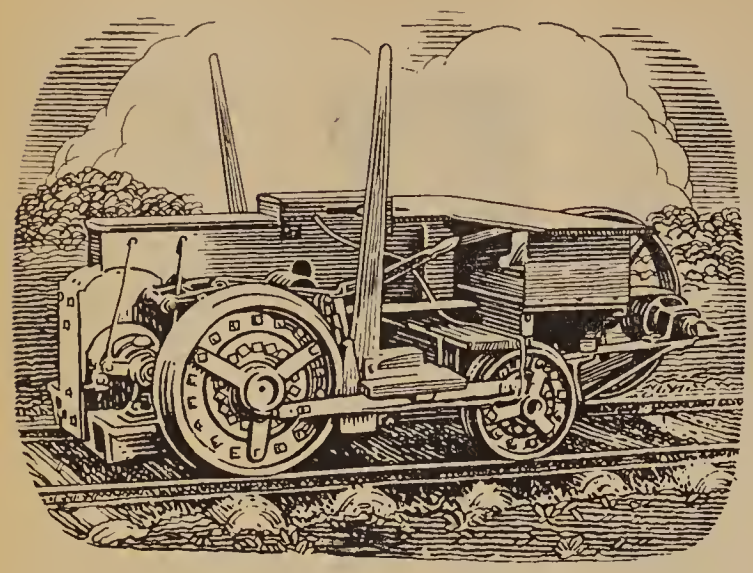


Percy J. Walton
Engineer
Atlantic District

Mr. Ward is cited for his outstanding work done in connection with the development of a new and economical method of removing vitreous enamel and other silicate material from refrigerator cabinets and other articles. Difficulties were encountered in the attempts to remove enamel from defective refrigerator parts, and Mr. Ward took upon himself the unassigned task of removing them. His efforts were highly successful, and his method is finding a wide field of application.



Montague W.
Ward
Tool Designer
Erie





Fifty Years of Electric Railroading

Tremendous Strides Have Been Taken Since Thomas A. Edison Ran His First Crude Machine Through the Meadows of Menlo Park

EVERY minute of the day and night, all year long; in all kinds of weather, through mountain passes or into metropolises the world over, electric locomotives are hauling long trains of loaded cars. Today their tremendous power and smooth speed are taken for granted, but 50 years ago there was another side to the picture. It was in May, 1880, at Menlo Park, N. J., that Thomas A. Edison presented an experimental electric locomotive that would haul cars. Menlo Park, N. J., was already famous as the scene of the invention of the incandescent lamp. Through the meadows about that locality, Edison constructed a trial track over which he ran his locomotive. It fell far short of resembling the electric locomotives that are part of our everyday experience today. It was simply a crude assemblage of equipment on a species of flat-car, with a couple of long brake handles, a control switch, and board seats for the crew. The electric current ran through the rails, entering the rims of the wheels, then through a metal "spider" to an Edison bi-polar generator, laid on its side and doing duty as a traction motor. The current thence passed through the opposite wheel and into the other rail, to return to the power house. The whole outfit had a nondescript appearance—but it worked.

In 1882, Edison built a more pretentious electric railway, also at Menlo Park. It was three miles in length, and had sidings, curves and trestles. The locomotive was much more business-like, having cab, bell, and even a cow-catcher. This demonstration was intended to convince the late Henry Villard, president of the Northern Pacific R. R., that the mountain divisions of his road could be operated electrically.

"I had started to build a 400-horsepower electric locomotive," recalled Mr. Edison, "but never finished it. My three-mile road was undertaken under an agreement with Mr. Villard that he would furnish the money. After the section was completed his engineers, ten in number, came on and discussed it with each other for three days. The section was exactly the same electrically as that now in operation on the New York Central Railroad out of New York. Villard's engineers finally reported unanimously that the idea was forever impossible and foolish. Moreover, an engineer of the Pennsylvania Railroad who came to Menlo Park to see the three-mile road stated that the electrifying of his road from New York to Philadelphia would never be possible. Today two of the Pacific roads have electrified their mountain divisions, and the Pennsylvania Railroad evidently no longer thinks that electrification of its line between New York and Philadelphia cannot be accomplished."

After he had ridden with railroad officials and engineers of General Electric on the first electric train to be operated by the Delaware, Lackawanna and Western Railroad—having been invited to apply the power and start the train in motion—Mr. Edison was asked what particularly impressed him about electric railroading as he experienced it in this instance. He answered that it appeared to him to be highly successful.

Edison also replied to a question as to whether railroads in this country would be practically 100 per cent electrified within the next generation by declaring that in his opinion this will be the case wherever density of traffic warrants it.

The electric train service on the Delaware, Lackawanna and Western does not employ a separate electric locomotive but rather an electric motor car, hauling trailers. In the West, however, giant gearless electric locomotives, built by General Electric, are in service on the mountain divisions of the Chicago, Milwaukee & St. Paul Railroad. These mammoths of railroading weigh approximately 265 tons and are rated at about 3,000 horsepower. Edison's first little electric locomotive, scarcely larger than one of the trucks of the most modern type, weighed 10 tons and could develop 12 horsepower. That is what 50 years of progress have accomplished.

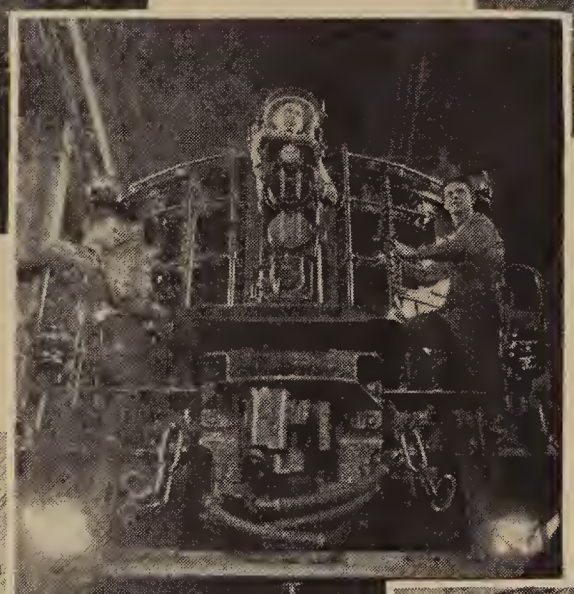
The Old and the New in Railroading



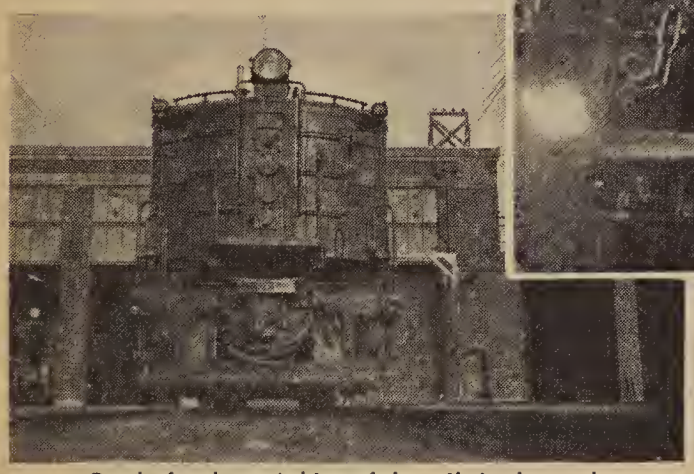
The old way. The interior of the cab of a steam locomotive

The new way. The interior of an electric locomotive showing the simple method of control



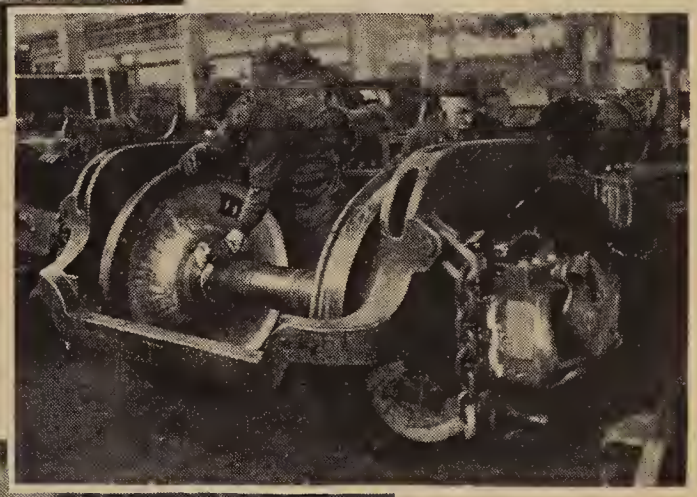


Left: Like a huge insect. The way the camera sees a modern "iron horse"



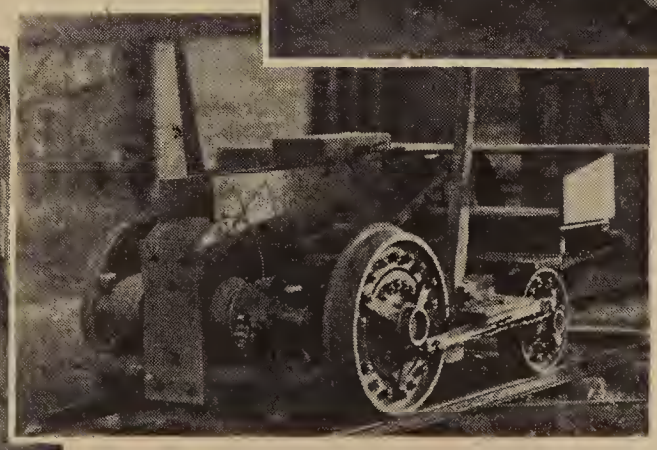
Ready for duty. A king of the rails in the yard of the G-E Erie Works

Below: The giant trucks of a modern "electric". Note the size of the wheels as compared to the men working on them





Left: Enough power to haul miles of loaded cars. A view taken at the G-E Erie Works showing a string of electric locomotives in various stages of completion



A wonder of 1880. Thomas A. Edison's first electric locomotive. This tiny machine is scarcely as large as the truck in the picture directly above

"What Won't They Do Next?"

A Continuation of Dr. Willis R. Whitney's Answers to the Question, As Reported by John T. Flynn in the "American Magazine"

"SHALL we get electricity from the sun, Doctor?" I asked. "Or from lightning?"

"From the sun—yes, or, at least, perhaps. From lightning—no. Lightning! Well, lightning is a good example of what you can do if you will pack everything into one punch. Steinmetz once calculated that in a thundercloud there are one thousand bolts of lightning and that each bolt has about six hundred million horsepower. But all that horsepower is packed into two millionths of a second. If you spread this single bolt out over a full hour, it would amount to just one-third of a horsepower. The entire one thousand bolts, therefore, in an hour would have just 333 horsepower. And if we recovered all of it and fed it through a meter, it would cost the user just ten dollars. There is just about ten dollars' worth of electricity in a thundercloud, and that's not worth going after.

"But the sun—well, some day that wealthy electric magnate may be compelled to give up some of his electrical power. Indeed, a report has just come from Germany of a successful experiment which has yielded a small fraction of a fly-power. That isn't much. But it is something. The first experiment with an incandescent lamp gave just a fraction of a candlepower.

"But we need not worry about this for a while. *We have not yet begun to use the instruments already designed.* When everybody uses electricity for all the purposes to which it is adapted, it will be immensely cheaper. You may think you are in the electrical age. But do not forget that of every three homes in the United States one is not wired for electricity. Only one-tenth of our farms have electricity. And out of every three homes only one uses electrical apparatus. And yet at a recent electrical show 22,000 different electrical appliances were on display. Only two per cent of our railroad trackage is operated by electricity.

"Since the beginning of the European war the cost of living in the United States has gone up 70 per cent but the cost of electricity has gone down 25 per cent. But when every house and farm is wired for electricity—which is coming—and when all our railroads are running by electricity —which is also coming—and when our vast network of highways is flooded with light, and when our people are all using electrical appliances to do their work—then the 'juice' will be so cheap that there will be no excuse for not using it for every purpose.

The first installment of this article appeared in the Jan. 16 issue of the "Works News." The article is concluded in this issue.

"You will heat your houses with it—the same machine that freezes your food will also warm your rooms. Already some housewives do all their cooking with it. Steinmetz used to say that the time was coming when it would be against the law for anyone anywhere to light a fire or strike a match.

"Your morning paper will be delivered to you in your living room from a machine no bigger than your radio set. Indeed, your radio, television, phonograph, and newspaper reproducer will all be in the one compact cabinet. When any great event is in progress—the inauguration of a President, or a World Series baseball game—you will sit before that magic cabinet. Through your television receiver you will see all that occurs. Through your radio you will hear it all.

"Later, you will press a button and out will come your newspaper, with more detailed accounts of it. The paper will be printed right in your living room. The most remote farm will be able to get this paper —not hours after the event and after it has been delivered by train or carrier—but immediately. Such papers may look just like our present-day newspapers. Here is a copy of a San Francisco paper sent by wireless to Schenectady in a few hours—a perfect facsimile of the original page.

"*All these things are here.* I speak of them as belonging to the future because their perfection must wait until the world demands the use of them. That is a singular thing—that our knowledge is always far ahead of our use of it.

"What do we want? If we only knew. For then we could have it. We have seldom realized a particular want and then gone directly after it. For instance, we never realized how much we wanted to look through our flesh at our bones until Roentgen discovered the X-ray. And when he made that discovery he was not seeking a means to look at the bones. He was trying to do something else. We did not discover how to fly through a long series of inventions directed toward that end. Flying was possible only when the gasoline motor was invented.

"So here in our laboratory work we are engaged on many problems of research which have no specific end save to uncover knowledge. Many of the valuable things we find we stumble across looking for something else.

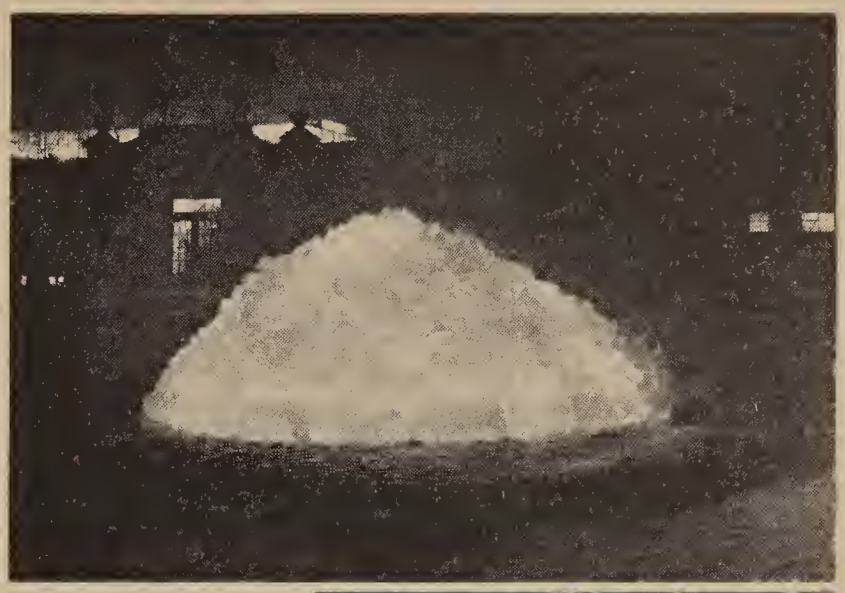
"Let me tell you a story by way of illustration. One of the defects of the first Edison incandescent lamps was that they burned out very quickly. A little blue glow would appear at the base of the delicate filament in the lamp, and soon the filament would snap at that point. Edison worked for years to eliminate the trouble. It was known as 'the Edison Effect.' It was to the incandescent lamp what static is to radio. And everybody was laboring to get rid of it. And yet what do you suppose it was? It was radio. And we thought it was just a nuisance.

"While I am on the subject of nuisances, what could be a greater nuisance than fever? Well, in the

With the G-E Camera Man



Sir Hubert Wilkins, right, and "Believe it or not" Ripley, left, trace their broadcast on a globe. These two well-known visitors were recent speakers over WGY and W2XAF, to Australia



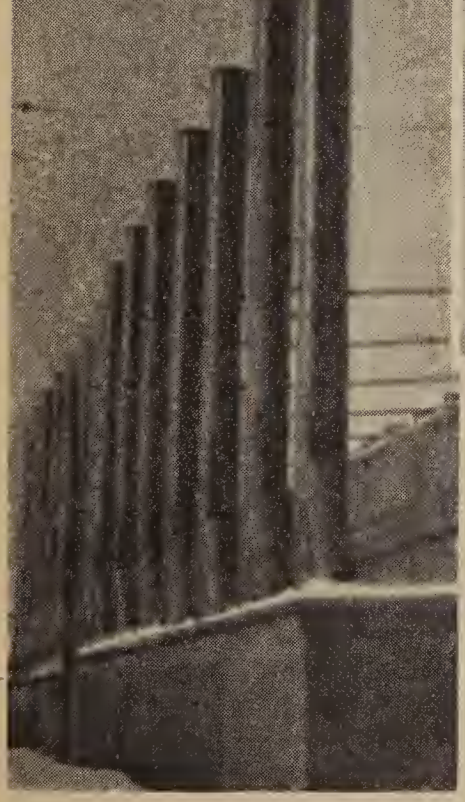
Buried in this pile of ice are 200 colored G-E lamps flashing at intervals, and forming a myriad of soft glowing tints. This display was staged at Nela Park



An Indian chief sees the white man's magic Chief Grabs-the-Enemy's-Gun of the Crow tribe was a recent visitor to the House of Magic in Schenectady He is shown here in full regalia in front of his tepee



Prof Elihu Thomson presents a flag to the Lynn Post of the American Legion. With Prof Thomson in the picture is Joseph P. McCarthy of the Lynn Works, who is Past Commander of the Lynn Post



Like the pipes of a huge organ An unusual view of a G-E factory



A film star visits the G-E Incandescent Lamp Dept. Ruth Roland confers with two G-E lighting experts in regard to lighting equipment for a new picture. The light bulbs on the table are 10 kw. and 50 kw. respectively

future, fever, like radio, will become a useful instrument to man. We shall produce our own fevers by electricity and control them for the cure of disease. Back of this is another story.

"I have always been interested in bugs." (It might be added parenthetically that bugs are just one among several hobbies with which Doctor Whitney beguiles his leisure. He has a whole collection of turtles on his farm. He is also interested in Indian arrowheads and has made an extensive collection—keeping only those he finds himself.) "I have also been attracted for a long time by those little galls which grow on the stems of plants. If you cut open one of those galls you will find inside it the egg of a small fly. The mother fly bores into the center of the stem and lays her egg there. Then something begins to happen. The fiber of the stem begins to grow abnormally at that point and around the tiny center. I concluded this was the result of heat produced by the egg. So, out of curiosity, I tried to produce a gall artificially. I put a tiny iron filing in the center of a goldenrod stem. Then I put a coil of wire around it and set up a current of high frequency. I thought this would heat the iron filing and that the stem would grow into a gall. But it didn't work.

"Then out of curiosity I put the coil around a stem with an egg in it. It killed the egg. So now I thought perhaps I had a means for killing insect pests on farms. In order to observe the process better I put some ordinary fruit flies into a glass tube. I closed the tube at both ends with cotton, put a coil of wire about it, and turned on the current. It killed the flies. Then, with a fresh supply of live flies, I ran a current of cold air through the tube. This fooled the flies into thinking it was winter and they curled up on the floor of the tube. Then I applied the current again. Instead of dying the flies were stimulated into extraordinary activity—leaping and dancing furiously about. What was the explanation? I had warmed them internally. I assumed that I had given them a fever with this current.

"The matter rested thus until some time later, when it was observed that in one of our laboratories, when working near a short-wave radio set under certain conditions, the men got pains in their lower joints. Our doctor examined them and found they had temporary fever in their lower limbs. On investigation we concluded this fever had been produced by conditions in the laboratory similar to those which existed in the tube. In the end we found that we could produce a fever in human beings by electricity.

"But why produce a fever? Well, a fever is not a disease. It is called a symptom of certain diseases. It may be Nature's method of combating the disurbance. It may be a cure. Doctors have long known that certain diseases can be cured by first inducing fever and then curing the fever. Well, now we can produce fever of any temperature, turn it on, increase or lower it, or shut it off like the heat of an electric iron. Moreover, we can produce the fever wherever it is desired—in the trunk, the joints, or the extremities. Here is a new tool for the physician which may well turn out to be as valuable as the X-ray, if not more valuable . . . For what diseases will it be used, and what good will it accomplish? Ah, we shall have to leave that to the doctors. This is only a beginning in a new field of electrical utility.

"You see, you can never tell where these things will lead. Centuries ago some man saw the slag in the fireplace grow transparent. He was inquisitive enough to learn more about it, and glass was made. Experiments with glass continue; and no one can say when our knowledge of it will cease to expand.

"With this in mind, keep your eye upon that marvelous tool—the photo-electric cell, popularly known as the electric eye. This simple little tube already works miracles for us—what it will do we cannot even guess. A man caught in moving machinery cries 'Help!' and the machinery stops. A group of blind people sit in a room, and a machine with a Braille book before it reads aloud to them. A railroad train runs past its signals, and a mysterious hand out of the darkness reaches into the flying cab and applies the brakes. All these things are done by the electric eye. It will inspect our food, count our crowds, count our money and reject the off-color bills, watch our banks and our homes, and do a thousand useful jobs. Without it television would be impossible, as would wireless transmission of photographs, letters, and maps.

"What is it? It is a small glass bulb resembling certain radio tubes and coated inside with some metal—potassium, as a rule—which is electrically sensitive to light. When a beam of light enters a window in the tube and falls upon this substance, it shoots off a stream of electrons which serve as a pathway for electric current to flow through the tube. Thus the photo-electric cell is a sort of switch controlling the flow of electric current in such a way that the intensity of the current varies with the corresponding intensity of light which falls upon it. Now, imagine such a tube in a bank, the wires leading from it connected with an alarm in a distant police station. A beam of light across the bank above the floor falls on the tube. A man walking across that bank floor would cross that beam of light, interrupting it for an instant. Immediately the alarm would ring at the police station, blocks away, without the intruder's knowing it. This is the simplest use of it."

Not long ago in New York a similar instrument was set up to count the people entering a department store. The light beam ran across the entrance and every person entering cut off the beam. Instead of ringing an alarm, it worked an automatic counting machine.

In the inspection of coffee, the electric eye is employed in a machine which automatically sorts out the worthless, off-color beans, thus replacing tedious sorting by hand. The coffee beans are run one by one onto the rim of a wheel, which, as it turns, dumps the dark beans into a large box and the off-color ones into a smaller box. How does that wheel know when it has a white bean? Well, as the beans fall on the rim of the wheel they drop

(Continued on page 12)

How About a Little Safety at Home?

IT may not be realized by many readers that, with the advance of safety practices in the factories, you are far safer during working hours than after you get outside of the plants on your own time.

The accidental fatalities during 1930 to G.E. employees of over one year service, *while on their own time,* was nearly twice the record of 1929.

The following table lists the causes of the non-occupational accidental fatalities, which will give you some idea as to the principal things to look out for when you are out on your own. It is interesting to note that airplanes come into the picture in 1930 for the first time.

NON-OCCUPATIONAL ACCIDENTAL DEATHS OF G.E. EMPLOYEES OF OVER ONE YEAR SERVICE.

	1926	1927	1928	1929	1930
Motor Vehicle	10	7	8	11	16
Drowning	0	8	4	1	7
Struck by train or trolley	2	2	1	0	1
Falls	0	0	0	1	4
Asphyxiation	3	0	0	1	2
Burns	1	1	4	0	0
Gunshot	1	0	1	1	2
Airplane	0	0	0	4	3
Misc. Causes	5	4	3	4	3
Total	23	22	21	19	37

As a contrast with the above, the fatal accidents in the Apparatus Plants in 1930 totaled 6, or 1 to every 9700 employees, which was the lowest total since 1915, the second lowest per 10,000 employees since 1902, and 40 per cent lower than in 1929.

What are YOU going to do about this in 1931?

G. E. SANFORD, Chairman
General Safety Committee

Safety Contest

THE Inter-Works Accident Reduction Contest of the year 1930 showed New Kensington and Fort Wayne leading Divisions 1 and 2 respectively. Bloomfield moved up into Division 1 replacing Fort Wayne. The standings of the various plants follow:

DIVISION 1	DIVISION 2
New Kensington	Fort Wayne
York	Erie
Philadelphia	River Works
West Lynn	ALL PLANTS
Bridgeport	Oakland
Bloomfield	Pittsfield
	Schenectady

Death Benefits Paid and Disability Benefits Allowed Under Group Insurance Plan

Month of December, 1930

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
12	Nov. 24	Frank Ottimo	43	Wife	Yes	Daughters	Yes
25	Dec. 1	James E. Butler	53	Wife	Yes	Wife	Yes
13	Dec. 12	George A. Loeffler	66	Wife	Yes	Wife	Yes
River Works							
10	Sept. 7	Charles M. Lothrop	64			Estate	Yes
15	Dec. 8	Orman J. Melanson	38	Wife	Yes	Wife	Yes
West Lynn Works							
11	Oct. 25	George B. Grant	62	Sister	Yes	Estate	Yes
Pittsfield Works							
3	Nov. 21	Gasper Carlino	30	Wife	Yes	Wife	Yes
17	Dec. 8	George A. Lusignan	47	Wife	Yes	Wife	Yes
Erie Works							
10	Nov. 29	Axel G. Swanson	37	Wife	Yes	Wife	Yes
12	Dec. 12	Andrew Szumigala	55	Wife	Yes	Wife	Yes
Fort Wayne Works							
2	Oct. 26	Francis D. Haughton	21	Wife	Yes	Wife	Yes
17	Nov. 10	William H. Tarmon	65	Daughter	Yes		
Bloomfield Works							
4	Nov. 28	Edna A. Scott	26	Mother	Yes	Mother	Yes
Merchandise Dept.							
8	Dec. 15	Noe Iovino	34	Wife	Yes	Wife	Yes
General and District Offices							
4	Nov. 20	Vernon S. Bennett	33	Wife	Yes	Wife	Yes
24	Dec. 11	Howard R. Connell	48	Wife	Yes	Wife	Yes
2	Dec. 4	Edward I. Henderson	47	Sister	Yes	Sister	Yes
20	Dec. 12	Ira E. Devlin	45	Wife	Yes	Wife	Yes
6	Dec. 17	Clara L. McQuilken	26	Husband	Yes	Husband	Yes
I.G.E. Co.							
15	Dec. 6	Mary E. Hayes	44	Sister	Yes	Sister	Yes
Incandescent Lamp Dept.							
1	Nov. 27	Ernest L. Whitham	25	Mother	Yes	Mother	Yes
6	Dec. 18	William T. Dyer	52	Wife	Yes	Wife	Yes
1	Dec. 19	Sophie Weis	24	Cousin	Yes	Cousin	Yes
General Electric Supply Corp.							
13	Dec. 1	Walter R. Timper	41	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
27	Nov. 23	Percy W. Tucker	57	Wife	Yes		
21	Dec. 10	Joseph C. Frank	45	Wife	Yes	Wife	Yes
27	Dec. 17	Daniel Mahoney	61	Wife	Yes	Wife	Yes
River Works							
37	Nov. 28	Joseph Ruebe	71			Daughter	Yes
Pittsfield Works							
22	Nov. 25	John H. Flynn	72	Wife	Yes	Wife	Yes
I.G.E. Co.							
27	Dec. 4	Edward F. Colyer	60			Wife	Yes
Incandescent Lamp Dept.							
45	Dec. 16	Ines A. Hansen	71			Daughters	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of December, 1930	27	$ 27,397.96	29	$ 73,000
Claims previously reported, 1930	335	375,111.57	324	572,500
Total claims paid 12 months, 1930	362	$402,509.53	353	$645,500

(Continued on next page)

G-E Business for 1930

ORDERS received by the Company during the year 1930 amounted to $341,820,312, compared with $445,802,519 for 1929, a decrease of 23 per cent, President Gerard Swope announced Jan. 20.

Orders for the final quarter of 1930 amounted to $74,168,480, compared with $108,398,049 for the last quarter of 1929, a decrease of 32 per cent.

As a result of the transfer of radio set and tube business, outlined in the Company's 1929 annual report, orders received in 1930 do not include radio sets and tubes, except orders received for the new General Electric radios introduced in the latter part of the year.

Directors Vote $50,000 to Red Cross Drought Fund

MEMBERS of the board of directors of the Company on Jan. 23 voted an appropriation of $50,000 to the $10,000,000 fund now being raised by the American Red Cross for the relief of sufferers in the 21 states of the United States afflicted by the drought. This contribution followed the appeal for funds made the previous night by President Hoover, Calvin Coolidge, Alfred E. Smith and others in a national radio hook-up.

"What Won't They Do Next?"

(*Continued from page 10*)

into little slots. There they are held by a vacuum operated through the spokes of the wheel. As the wheel turns, every bean must pass under a little pencil of light. When a dark bean passes, nothing happens, and the bean moves on, to be ejected when it passes over the large box. But when an off-color bean passes, it reflects the beam of light to a photo-electric cell which sets in motion the machinery to shut off the vacuum in the proper slot and let that bean drop off before it gets to the large box. Actually, the process is simple, but it seems uncanny.

In an airplane hangar, housing many planes filled with gasoline, a fire broke out. There was a sudden burst of flame. The next instant water from a score of pipes poured over the planes and extinguished the fire without the interposition of a single hand. The burst of flame was all that was needed to activate little electric eyes around the building and thus open the water valves.

Similarly, photo-electric cells have been employed to count the number of automobiles passing through the Holland Vehicular Tunnel beneath the Hudson River, to time horse races by the shadows of the contestants at the start and finish, to measure daylight and sunburn, to determine the thickness and transparency of cloth and paper, to sort fruits and cigars, and to perform many other services.

"All this has been made possible," Doctor Whitney went on, "because man has learned to govern the movement of tiny electrons which shoot off from potassium or other light-sensitive substances whenever a beam of light falls upon it. With an X-ray tube he can shoot electrons into food and thus endow it with vitamins. It has long been possible to produce synthetic food of a sort. But it has been lifeless. Now, with the cathode rays we can shoot life into synthetic food. I know it is difficult for people to believe they will one day get their meals from a factory instead of a farm. But why? We have always asked the worms to make silk for us. But now we know how to get it for ourselves.

"I would not dare to say what I think electricity may do in the future. We are always making the mistake of supposing that we have exhausted our knowledge in any direction. Discoveries and inventions are not terminals. They are fresh starting points from which we can soar to new knowledge.

"This has a more serious meaning than you think, particularly in America. We have a way of being too highly satisfied with ourselves.

"Science has indeed moved far, but only by comparison with man, who has always been many steps behind science. I do not mean that we have not advanced. We have. In times past, men and women worked for little else than a chance to exist, to get enough to eat, and a place to sleep. That is no longer so. Our so-called industries are so-called mechanisms. The urge to work in them may seem to be the same old hunger, but I firmly believe it has grown more mental and even spiritual.

"Mind you, I do not mean that science has moved very far yet upon its destined journey. The vision ahead is dazzling in its beauty and its vast reaches. This world is truly the Garden of the Gods. But we have not even begun to taste its fruits. As yet we are eating only grass!"

Death Benefits Paid and Disability Benefits Allowed Under Group Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age		Free Ins.	Add'l Ins.
Schenectady Works						
33	Dec. 5	Francis S. Kennedy....	56			Yes
13	Dec. 8	Joseph Navratil.....	55			Yes
36	Dec. 10	Robert Fisher.....	58			Yes
18	Dec. 23	Walter Rupert.....	52			Yes
River Works						
26	Dec. 16	Michael J. Timlin.....	56			Yes
1	Dec. 23	Nancy D. Lynds.....	24			Yes
Incandescent Lamp Dept.						
7	Dec.	Charles Toensing.....	58			Yes
Disability claims granted, December, 1930					7	$ 13,000
Disability claims previously granted, 1930			7	$5,800.00	61	$108,500
Total Disability claims granted 12 mos., 1930			7	$5,800.00	68	$121,500
Total death and disability claims paid since Jan. 1, 1920						$6,789,369.55

GIRLS' SECTION

Elex Happenings

The "Bob" Party

IT must be that some member of the Elex Club has mortally offended the weather man, for the committee had made extensive plans for a bob-sled party for the first meeting in Jan., but when that date, Jan. 6 arrived there was not a speck of snow, so, instead of a merry bob-sled ride and a hot chili supper at the Weber Hotel, the members enjoyed a delicious old-fashioned farm supper served on long tables covered with red-checked table cloths in Bldg. 16-2. Irene Meyers and Bessie Smith, disguised as ma and pa, and Esther Moll and Henrietta Kase, as "grandma and grandpa ready to retire for the night" added much to the merriment of the supper. After supper the girls danced, the music being furnished by Berniece Schaaf, Claude Ellingwood and Bob Freiburger with piano, banjo and saxophone.

"Cherry Blossom Review"

The Jan. 20 meeting of Elex Club, held in Bldg. 16-2, was a very interesting one. A delicious supper was served beginning at 5:10 p.m. In view of the presenting of the "Cherry Blossom Review," a change from the regular regime was necessary; accordingly the classes were held from 6:30 to 7:30 p.m. instead of 7 to 8 o'clock. The class in ballroom dancing was dispensed with, these pupils going into the personality class where Mrs. Harry Hogan gave a very interesting talk on "Travel."

After the classes the whole group assembled in the north dining room of Bldg. 16-2 all in readiness for the presentation of the big show the "Cherry Blossom Review." Irene Meyers was the director and, according to her usual custom, certainly did a good job. The stage setting was a Japanese Garden, with white trellis work, miniature cherry trees and Japanese lanterns all combined into a very effective arrangement. The costumes, designed by Miss Meyers, were clever and beautiful and were made by Lois Miller, Marie Blough, Louise Lawson, Berniece Schaaf, Myrle Strauss and Miss Meyers. The review was presented in two acts, the numbers were peppy, the singing and dancing was unusually good. and the whole presentation was well received by the audience. Entertainment between the acts was furnished by Rosemary Lantz and Georgianna Jane Jones, with guitars, singing, readings and dancing. The entire program of the Review follows:

Bunny Bunnell, Master of Ceremonies.

Ensemble: Henrietta Kase, Hazel Newport, Virginia Glock, Ruth Tutwiler, Irene Parr, Alice Gerber, Bessie Smith, Berniece Schaaf, Della Knoche, Betty Hiltner, Louise Hilger, Helen Dammeyer, Helen Stahl, Hilda Puff, Georgia Christie, Mary Swartz, Bernadette Lantz, Alice Sorg, Catherine Sullivan, Bessie Rennecker, Myrle Strauss, Vera Pancake, Lillian Putt, Louise Lawson, Ruth Lindeman, Rebecca Stiles, LaVera Vail, Alice Immel, Dorothy Bainbridge, Helen Skinner.

Act I

"I'll be blue just thinking of you"—Alice Sorg and Chorus
"Somewhere in old Wyoming," "Moonlight on the Colorado"—Cowgirl Chorus
"You're simply delish"—Chef Chorus

Act II

"Here comes the sun"—Alice Sorg and Chorus
"Gee, I'd like to make you happy"—Alice Sorg and Chorus
"Gob Drill"—Under direction of Hilda Puff
"Sweet Jennie Lee"—Dorothy Bainbridge and Chorus
Skeleton Dance—Jean Smith and Evelyn Voirol
Grand Finale "Bye Bye Blues"—Bunny Bunnell and Ensemble.

The orchestra was composed of Mrs. Lillian Garihan, pianist; Claude Ellingwood, banjo; Herbert Shives, violin; Deryll Hobbs, cello; Bob Freiburger, saxophone.

Evelyn Goddard, Olka Johnson and Rebecca Fogwell were the ushers. E. A. Barnes and H. E. Hire were special guests.

The Valentine Party

The entertainment feature of the Elex Club meeting held on Feb. 3 in Bldg. 16-2 was a Valentine party. After the special supper had been stowed away in about 200 hungry "tummies" the girls adjourned to the north dining room where the party was held. A pretty stage representing the veranda of Cupid's home had been set up, with an enormous red heart for the background and little red hearts and cute little cupids everywhere. Large red hearts were hung in the windows and red spotlights shed a rosy glow over the whole scene. The program was presented in two features. The first "Cupid's Specialty" was a dance number presented by Mary Frances Schultz, Barbara Arney, Ray Speaker and Jack Gick with little Sally Kruse as Cupid. The second was a clever playlet entitled "The Lover's Tragedy" enacted by Helen Drewery, Marie Blough, Hazel Newport, Marjory Altemus, Louise Lawson, Blanche Metker, Helen Dammeyer, Velma Vincent, Rosamond Krull, Helen Morris, Berniece Schaaf and Carrie Green.

The regular classes were held from 7-8 o'clock, this meeting being the first one in the second semester. All classes were continued and a new one was added—a class in pinochle which is being taught by Leone Stone. The other classes are tap dancing, Violet Reinewald instructor; personality, Mrs. Harry Hogan, instructor; bridge, Irene Fox, instructor; arts and crafts, Mrs. T. J. Kucher, instructor; and ballroom dancing, Esther Moll instructor assisted by Helen Dammeyer, Hazel Newport and Helen Skinner.

Elex Executive Committee Entertains Membership Girls

In order to work up enthusiasm for the spring and summer seasons and to show their appreciation for the help so ably given by those girls who so seldom get their names in print, the Elex Executive committee entertained the membership girls at a party on Sunday, Feb. 8. The group motored to Rome City where the party was staged at the Bernadell Cottage. There was skating, dancing and bridge and a big chicken dinner at noon to while away the short hours.

The Executive committee is composed of Marie Blough, Esther

Moll, Lois Miller, Irene Meyers, Miriam Valentine, Lena Shull, Leone Stone and Louise Lawson.

The membership girls are Bernadette Lantz, Rebecca Stiles, Louise Hilger, Lucile Enderle, Hazel Newport, Helen Drewery, Christine Haas, Mary Wert, Leona Farra, Ruth Franzendorf, Mary Cookson, Mildred Rose, Ruth Fuller, Ruth Holle, Hilda Puff, Elizabeth Bennett, Edith Venrick, Elsie Zenher, Mildred Bixler, Emma Mendel, Esther Shannon, Lorena Fann, Alma Schneider Esther Newman, Cecile Meyers, Gladys McMillan, Evelyn Young, Myrtle Strauss, Velma Vincent, Adella Benanti and Elma Schneck.

"March"

As March is quite often a very breezy month, and things are frequently "aired" in police court, the committee has planned a "Police Court" as the entertainment feature for the first meeting in March which will be March 3. Don't miss it, for you'll surely learn many things about your Elex neighbors that heretofore have been deep, dark secrets.

The second meeting in March falls on St. Patrick's Day, March 17, and of course the committee has planned a "St. Patrick's Day Party" brim full of Irish fun and frolic.

Pot-luck Dinner for Jennie Wright

At the noon hour on Feb. 4, a group of employees of the Radio Transformer Dept. in Bldg. 26, went to the home of Jennie Wright at 614 Breckinridge Street and enjoyed with her a potluck dinner. Miss Wright was formerly employed in the Transformer Dept. but recently has been retired from active service.

In the group were Miss Wright and her mother, Mrs. Mary Wright, R. C. Harruff, R. L. Cummins, Ed Leitz, Hoy Bastian, Frank Elder, Wm. Kline, Berniece Riley, Elda Lipp and Marie Blough.

In the group were Miss Wright and her mother, Mrs. Mary Wright, R. C. Harruff, R. L. Cummins, Ed Leitz, Hoy Bastian, Frank Elder, William Kline, Berniece Riley, Elda Lipp and Marie Blough.

Girls' Gym Class

The girls' gymnasium class meets every Thursday from 5:30 to 6:30 in the G-E Club gymnasium. Any girl in the Plant is eligible to attend this interesting and wholesome class. It is still open to newcomers, so if you feel the need of regular exercise, go over next Thursday evening and enroll. You will like it and, of course, you know there is no charge for attending the class. Karlton Kirbach—we call him Kirby—is the able and pleasant instructor.

Girls' Basketball

The Hoosier Demons, Indiana State girls champions, defeated the G-E Club girls 43 to 7 in the latter's second game of this season. Gray led the Demons with 11 baskets while Vaughn scored 4 points for the Club quintet.

In a game played at Hicksville, the Bryan, Ohio, Independent girls team scored a 21 to 13 victory over the G-E Club girls. The half ended 19 to 6, and the locals were able to score seven to the winners two points in the second half by better defensive tactics. Vaughn led the Club team with 3 goals and a pair of free tosses. Ensign scored 5 buckets and a charity for Bryan.

The Waterloo girls handed the G-E Club girls an 18 to 13 defeat there. The Club girls outplayed Waterloo in the second period but couldn't overcome the 13-5 lead held by Waterloo at the rest period. Vaughn scored four points and Liggett registered seven for the locals. Sherburn led the Waterloo girls with a total of 10 points.

The Club girls won their first game by defeating the Peoples Trust Girls team 15 to 11 at the G-E Club gym. Baskets by Ellenwood, new forward on the Club squad, put the locals in the lead and they were never headed. Tyler, center on the Trust team, led her teammates with two goals and five free throws.

The Club girls added a second victory by defeating the Waynedale Girls team 35 to 17 in a well-played game on the latter's court. Vaughn scored 10 points, Liggett had 13, and Ellenwood totalled 8 for the Club girls. Strauss was high scorer for Waynedale with 8 points.

Weddings

Fink-Hartman

The marriage of Helen Hartman and Francis A. Fink was solemnized at 9 o'clock on the morning of Feb. 3, the ceremony taking place at St. Patrick's Catholic Church. Rev. John F. Noll, bishop of Fort Wayne and an uncle of the groom, officiated at the service and he was assisted by Rev. Msgr. Joseph F. Delaney, pastor of St. Patrick's Church. The bride was attended by Virginia Meyers as maid of honor and Cecelia and Loretta Fink, sisters of the groom as bridesmaids. Aurelius Fink, a brother of the groom, attended as best man and Clifford McCormick and Richard Dierkes were ushers. Following the ceremony a wedding breakfast was served at the Catholic Community Center and later a reception was held at the home of the bride's parents, Mr. and Mrs. Joseph J. Hartman of 1215 High Street. Later the young couple left on a wedding trip.

Mr. and Mrs. Fink will reside at 1414 Poplar Street, Huntington, where Mr. Fink is associated with the editorial department of *Our Sunday Visitor*. For the past few years Mrs. Fink has been an employee of the Fort Wayne Works, first in the Material List Dept., Bldg. 18-5, at the Broadway Plant and later at the Winter Street Plant.

Why Not Join the Gym Class?



Hugh Knepp



Karl Bezner

Two Apprentices Complete Courses

ON Dec. 20, 1930, Hugh Knepp an apprentice taking the machinist-toolmaker course completed his work and was presented with his diploma and the $100 cash bonus paid to those who have successfully completed both class room studies and shop work on the 4-year apprentice courses. Mr. Knepp came to our apprentice school after completing his high school course at Roanoke. He is now employed at our Winter Street Plant under Foreman A. R. Kabisch.

Karl Bezner, who was taking the electrical tester apprentice course, completed his apprenticeship period on Jan. 24 and was given with his diploma the $75 cash bonus which is paid to graduates of this three-year course on successfully passing all requirements in shop work and class. Mr. Bezner who was born in Canada took his grade and high school work in Detroit, graduating from the Case Technical High School in the class of 1927. He is now working in Bldg. 27 on refrigeration machine inspection under the direction of O. J. Mettler.

Service Anniversaries

Fort Wayne Plants

January

10 Years

Joseph Kuehner	Jan. 2, 1921	Frank A. Neuman	Jan. 6, 1921
Forest Bunner	Jan. 4, 1921	Ralph Runyan	Jan. 11, 1921
Isadore Best	Jan. 5, 1921	Levi Filler	Jan. 16, 1921
John Nilca	Jan. 31, 1921		

15 Years

Joseph C. Miles	Jan. 10, 1916	John Dailey	Jan. 21, 1916
Oscar Hammond	Jan. 11, 1916	Theodore Mailand	Jan. 25, 1916
John E. Beach	Jan. 13, 1916	Emil Steinke	Jan. 25, 1916
Edmund J. Bauer	Jan. 19, 1916	Florence Hindman	Jan. 27, 1916
Ben Putt	Jan. 19, 1916	Jesse Greider	Jan. 31, 1916
Ida Greber	Jan. 31, 1916		

20 Years

G. H. Waldschmidt	Jan. 9, 1911	George Huber	Jan. 25, 1911

25 Years

Walter Robertson	Jan. 9, 1906

30 Years

Marvin L. Norris	Jan. 2, 1901	Albert Schroeder	Jan. 10, 1901
Charles H. Alter	Jan. 2, 1901	Carl A. Borchert	Jan. 15, 1901

35 Years

Ray Woodhull	Jan. 2, 1896

40 Years

William Haag	Jan. 7, 1891

February

10 Years

Garland Roby	Feb. 2, 1921	Thomas A. McLaughlin	Feb. 20, 1921
Lewis J. Watt	Feb. 8, 1921	Joseph Mettler	Feb. 21, 1921
Glenn W. Kline	Feb. 14, 1921	Willard F. Smith	Feb. 23, 1921

15 Years

Ray E. Pumphray	Feb. 1, 1916	Homer M. Hibler	Feb. 15, 1916
Vern Gratts	Feb. 1, 1916	George Glossop	Feb. 16, 1916
Walter Schelper	Feb. 1, 1916	Glenn Fortney	Feb. 16, 1916
Jos. C. Grosjean	Feb. 3, 1916	Louis Scherer	Feb. 17, 1916
Ben Noll	Feb. 3, 1916	Ira Swank	Feb. 22, 1916
Alvin Konow	Feb. 5, 1916	Claire M. Voirol	Feb. 23, 1916
Albert J. Offner	Feb. 7, 1916	Carl John Schone	Feb. 25, 1916
E. A. Rosenberger	Feb. 8, 1916	Olive C. Smith	Feb. 28, 1916
James V. Johnson	Feb. 8, 1916	Henry Bradmiller	Feb. 28, 1916
Wm. C. Ver Bayk	Feb. 9, 1916	Fernando C. Crick	Feb. 28, 1916
Raymond Leitz	Feb. 10, 1916	C. R. Olson	Feb. 29, 1916
Ed. J. Schneider	Feb. 12, 1916	Clyde Hoke	Feb. 29, 1916
John Schimmele	Feb. 14, 1916	Frank Laier	Feb. 29, 1916
Howard Langenbalm	Feb. 15, 1916	Wm. Yates	Feb. 29, 1916
Charles M. Bender	Feb. 29, 1916		

20 Years

Darrel V. Daniels	Feb. 13, 1911

25 Years

Joseph Horstman	Feb. 21, 1906

40 Years

Jacob Trautman	Feb. 26, 1891

Decatur Plant

January

10 Years

Floyd Baxter	Jan. 20, 1921	Omer A. McManus	Feb. 22, 1921

JUNIORS' PAGE

DEAR G-E JUNIORS:

Although February is the shortest month of the year it has more days we celebrate than any other month. There is Lincoln's birthday, Washington's birthday and Valentine Day that you celebrate in school. But before any of these days come, there is "Ground-hog Day" on Feb. 2. We do not celebrate this day but we do talk about it such a lot. The ground-hog is one of the earliest animals to go into his winter quarters in the fall and according to an old legend he comes out on Feb. 2 and if he sees his shadow, immediately returns to his home in



Pansy Dell Plant

the ground for another long snooze, predicting that we will have a late, cold spring. Perhaps you remember that on the morning of Feb. 2 the sun came out and shone brightly for a time, giving the ground-hog plenty of time to come out of his den and see his shadow. In our puzzle we show a ground-hog out of his winter quarters and puzzling which path to take to get back into his cozy warm home in the woods. Can you find the path he must follow? After you find the path, you



Wanda Maxine Baxter

may trace it on a thin piece of paper and send the tracing to me if you like.

I was very much pleased to get so many nice letters and answers to the puzzle in the Jan. WORKS NEWS, and everyone of you found the bird, which is upside-down in the tree near the left-hand corner of the puzzle. Prizes were sent to Kathryn Kohls and Catherine Murphy at Decatur and Betty Rose, Raymond Johnson, Donald Evarding, Eugene Bahr and Virginia Worden at Fort Wayne. I also received solutions to the puzzle and letters, too, from Estella Schwartz, Celeste Schwartz, Berniece Etzler, Mary Crick, Eleanor and Arno Schelper, Dorothy Gebhart, Richard, Dorothy and Gerald Wyss, Robert, Dorothy and Harold Swank, Dorothy Brady, Elmar Devaux, Margaret Evarding, Kathryn Rice and Delores Worden of Fort Wayne, and Kenneth Nyffeler, Richard Jackson, Donald Drake and Donald Bohnke of Decatur. Mary Crick, Dorothy, Richard and Gerald Wyss forgot to put their address on their letters. Please be sure and put your address on your letter each time you write to me, for, you know, you might move to another place and I would not know it and then if you should win a prize I would send your prize to the wrong address and you might not receive it.



Gaylard Lewis Lemish

Again we have some nice pictures for our page. The young baseball player, Gaylard Lewis Lemish, is the son of Frank H. Lemish who works in Bldg. 27 at the Broadway Plant. Dean Misegades' father, E. L. Misegades works in the Meter Engr. Dept., in Bldg. 19-5, also at the Broadway plant. Pansy Dell Plant is the little daughter of Glen Plant who works at the Winter Street Plant. Donald Bohnke sent me the picture of Wanda Maxine Baxter, who is his little cousin. Wanda's father, Floyd Baxter works





Dean Misegades

at the Decatur Plant. I am very glad to have these pictures.

I know you were all very, very busy around Christmas time, for I received several answers to the puzzle in the Dec. WORKS NEWS, that came in too late for us to publish the names in the Jan. WORKS NEWS. These late answers were from Donald Bohnke, Esther Fisher and Catherine Murphy of Decatur, and Robert Swank, Kathryn Rice, Celeste Schwartz, Berniece Etzler and Margaret Evarding all of Fort Wayne.

I hope you will not be too busy this month to write to me and that you can get your letters in promptly. I will be anxiously waiting to see how many of you will find the trail the ground-hog must follow to reach his home.

Yours truly,

Jill

Absent Employees

(*Continued from page X*)

Perry Saylor, Small Motor Dept., Bldg. 4-5, is convalescing from an operation and is now at his home at 3304 Harvester Avenue.

Lucille Wagner, Meter Dept., Bldg. 26-4, is ill and unable to attend to her duties.

Loren Klingman, Meter Dept., Bldg. 19-4, who is a patient at the Lutheran Hospital where he recently underwent an operation, is improving nicely and expects to leave the hospital soon.

Bertram Brown, General Service Division, is confined to his home at 307 East Dewald Street by an attack of illness.

R. Rockhill, Winter Street Plant, is confined to his home at 2806 Fox Avenue by an attack of rheumatism.

Richard Cullen, Payroll Dept., who has been confined to his home, 2325 Smith Street, is showing improvement.

Edward Wiseman, Winter Street Plant, has been unable to be at work for several weeks on account of an attack of rheumatism.

Lillian Grossman, Small Motor Dept., Bldg. 4-3, who has been sick and unable to work for several weeks, is at her home at 2121 Fox Avenue.

Emma Reiling, Small Motor Dept., Bldg. 17-4, is absent from work because of a broken wrist.

Altha Miller, Small Motor Dept., Bldg. 4-2, is ill at her home at 1433 Grant Avenue.

ATHLETICS

G-E Club Team Wins Majority of Games

THE G-E Club basketball team continues to win a majority of its contests, and has a record of 11 victories and six defeats for the 17 games. In the games to date, the G-E five has piled up a total of 516 points to their opponents 446. This is a very good record taking everything into consideration. The Club is meeting the best independent teams in the states and has lost only to the very best of them. It is no disgrace to lose to teams like the Akron Firestones, Cleveland Pennzoils, Cincinnati Big Four or Richmond Cavaliers. These teams are composed of the best college and independent stars in the country, employed for their basketball ability. All of the G-E players are bona fide employees of the Company and are required to work regular hours, and consider their basketball as a side-line. In addition, several of the players are youngsters playing against men who have been in the game a good many years. All in all, the G-E Club has a fine ball club that is deserving of your support.

Some good games are carded for the next month and each one should draw a packed house. On Feb. 18, the Richmond Cavaliers play here. The following week, on Feb. 25, Robbins and Meyers team is booked, and the Akron Firestones appear on March 4.

Evard is leading the G-E scorers with 114 points from 46 field goals and 22 free throws. Slack has been hitting the net pretty regularly lately and has boosted his total to 106 points with 51 baskets and four free throws.

The individual scoring of the players follows:

	G	FG	FT	Total	PF
Evard.....	17	46	22-29	114	12
Slack.....	17	51	4-13	106	35
Holmes.....	17	34	16-24	84	32
Boots.....	17	27	27-43	81	39
Spahr.....	16	30	10-27	70	17
Hutchinson...	15	14	8-12	36	13
Hamilton.....	15	10	4- 6	24	14

G-E Club 27, Yorktown State Champs 16

The G-E Club took things pretty easy to defeat the Yorktown State Independent Champs in a game played here. The visitors put up a scrappy game but were no match for the style of ball played by the locals. The G-E squad piled up a 16 to 7 lead in the first period and were content to hold that lead during the balance of the game. Evard led the attack for the locals with three baskets and four free throws. Holmes followed with three baskets. Bob Yohler led the scoring for the visitors with a pair of baskets and a free throw.

G-E Club 27, Deaks Club, Indianapolis, 22

The G-E Club defeated the basketball team of the Deaks Club of Indianapolis in a game played in the G-E Gym on Jan. 7. The game was anybody's up to the final whistle. Holmes and Thompson staged a scoring duel during the first period, with the diminutive guard of the locals holding the edge with a margin of a free throw. Each scored three times from the field. The score at the end of the half was 13 to 12 with the G-E leading. Slack then assumed the scoring role for the locals with three baskets. Fisher kept the Indianapolis five in the running with a trio of baskets. Holmes added two baskets to his three to make him high scorer for the evening. Slack followed with four baskets.

G-E Club 26, East Chicago Merchants 33

The G-E Club took one on the nose at East Chicago when the gangsters turned their guns on the locals and completely subdued them. The whistle tooter for the Windy City had a busy evening calling 16 personals on the G-E five and 9 on the Merchants. Gansinger, center for the Chicago squad, scored six baskets to keep the early lead piled up by the Merchants. The G-E five just couldn't get going during

the first period and were on the short end of a 16 to 8 count at the end. Hutchinson added the scoring power needed with three baskets in the second half in which the G-E five scored 18 points to the Merchants' 17. Evard was leading scorer for the G-E squad with four baskets.

G-E Club 22, Richmond Cavaliers 38

The Richmond Cavaliers handed the G-E five some bitter medicine in the form of a 38 to 22 defeat in a game played at Richmond on Jan. 12. The Richmond quintet which has been defeating all comers on their own floor including a majority of the American League teams, piled up a 17 to 5 lead during the first half which the G-E five could not overcome. The Club team did not score a single basket during this session. Keyser counted three times for the Cavaliers. In the second period Branch McCracken, former Indiana University star and later of the Ft. Wayne Hoosiers, got busy to score five baskets, while the G-E five were holding his teammates pretty well in check. Bruce Hamilton, replacing Slack, scored three baskets for high scorer for the G-E.

G-E Club 48, Fremont K. of C. 17

The G-E five returned to the local floor on Jan. 14, to stage a runaway contest at the expense of the Fremont, Ohio, Knights of Columbus. The visitors did not put up much of a defense nor offense and the locals took things pretty easy. The score at the end of the half was 25 to 6. Evard was high scorer for the locals with 6 baskets and a free throw. Holmes contributed five baskets and Slack three. Wolf was leading scorer for the visitors with three baskets.

G-E Club 25, East Chicago Merchants 19

The G-E Club gained revenge on the East Chicago Merchants on the local floor on Jan. 19, for the defeat handed them at East Chicago the week before. All of the locals took their turn at hitting the net, but Slack with his four baskets was high scorer. Evard followed with three baskets and a free throw. Nick Spudic carried the burden for the visitors both on offense and defense. He counted three baskets and five free throws for a total of 11 points.

G-E Club 29, South Side Turners 27

The G-E Club defeated an old time rival on the local floor on Jan. 23, their victims being the well known South Side Turners of Indianapolis. Slack was hitting the net with deadly accuracy, sinking five baskets during the opening session to give the locals the 16 to 13 lead which won the game eventually. Holmes sent three through the net during the second period to keep the locals on even terms with the Capitol City five. Hodges, former Purdue Star, played a brilliant game for the Turners and added three baskets to his teammate's total. Gilmore, all state guard last year, also played an excellent game. Both of these stars made things uncomfortable for the locals.

G-E Club 38, Peru Merchants 25

The G-E Club basketeers traveled to Peru on Jan. 26, to play the Peru Merchants, and returned with another victory to their credit. Spahr again performed nobly on a foreign floor sinking five baskets. Boots' accuracy on free throws made him high scorer with 7 free throws out of as many chances and a pair of field goals. All of the G-E players were credited with a part in the scoring. Slack had three baskets, Evard two and Holmes and Hamilton each one. Jones led the scoring for the Merchants with three field goals.

G-E Club 22, Cleveland Pennzoils 32

The Cleveland Pennzoils were too much for the G-E five and took the locals into camp in a game played on the G-E floor on Jan. 28. The Clevelander's came highly touted and proved to be all that was claimed for them. They were the speediest, smartest and most accurate shooting club to appear on the local floor. The G-E five played one of the best games of the season against the oil men but were no match for the speed of the visitors. Eckert, former Cleveland Rosenbloom player, was the star of the visitors both on offense and defense. He scored five baskets for the Pennzoils and did more than his part to stop the G-E sharpshooters. McCord, the high scoring forward of the visitors, was held to a single field goal, but counted 8 free throws on as many chances. Slack was high scorer for the G-E five with three baskets and a free throw. Evard contributed three baskets. The score at the end of the half was 16 to 7.

G-E Club Boxers Win Inter-City Amateur Tourney from Indianapolis

The G-E Club boxing team, coached by Nick Little, Club instructor, won three bouts on decisions, two on technical knockouts, one by forfeit, lost two decisions and one technical knockout in the Inter-city match with the Indianapolis Turners, handled by Jimmy Dalton, at the G-E Club gymnasium on Jan. 26.

There was plenty of entertainment for the large crowd present, as the boys were trying all the way. A number of them displayed marked ability and most of the scraps were evenly contested. In the first six bouts the match score was even, each team having won three, but the Indianapolis lads failed to win in the remaining fights.

Results of the bouts were as follows:

Jimmy Jackson, Indianapolis, won a decision over Russell Runkel, Ft. Wayne, three rounds at 135 pounds. Harold Anspach, Ft. Wayne, won the decision over Glenn Beniger, Indianapolis, three rounds at 135 pounds. Richard Hurst, Ft. Wayne, won a decision over Leo Landrigan, Indianapolis, three rounds, 112 pounds. John Carpino, Ft. Wayne, scored a technical knockout over Ed Renkern, Indianapolis, third round, 160 pounds. Eph Virt, Indianapolis, won by technical knockout over Paul Freeman, Ft. Wayne, two rounds, 175 pounds. Johnny Groggs, Indianapolis, won decision over Leonard Pequignot, Ft. Wayne, three rounds, 112 pounds. Bob Hosler, Ft. Wayne, won decision over Johnny Bloomer, Indianapolis, three rounds, 147 pounds. Clarence Welsh, Ft. Wayne, won technical knockout over Virgil Honneycutt, Indianapolis, two rounds, 126 pounds. Billy Edwards, star of the G-E team, was deprived of a chance to show his wares in the tournament as Indianapolis did not send a man against him and forfeited the match. Edwards boxed an exhibition with Kid Lawrence, who looked good and made things interesting for Edwards. There was no decision given. Kenneth Manes and Mike Walker, local boxers, also staged an exhibition that did not count in the tournament. The bout was close and interesting and the judges ordered an extra round at the end of the third. Manes was given the decision on the strength of a knockdown in the extra round.

Nick Ellenwood refereed the entire card. E. A. Barnes and Howard Townsend were judges, and Gunnar Elliott was timer.

Bowling Notes

G-E Club Girls

The G-E Club Girls' bowling team lost a close match to the Five Hirams, a men's team, in a recent contest at the Scott's alleys.

Bessie Lyons rolled high single count of 255 in the first game, Erma Lackey had a 224 total in the second game, but Rump, anchor-man of the Girls' five, fell below her usual counts with a total of 579.

Bob Orff, of the Hirams, totaled 601 for his three games with counts of 172, 194 and 235. A return match is being arranged for later in the season and the Club girls feel confident of scoring a victory.

Scores:

G-E Club Girl's

Lackey	163	224	195	
Lyons	255	171	149	
Rubey	148	135	179	
Klingenberger	177	192	162	
Rump	191	186	202	
Totals	934	909	887	2,730

Five Hirams

Seabold	135	203	204	
Rapp	182	200	190	
Grimme	201	213	162	
Tremple	178	190	148	
Orff	172	194	235	
Totals	868	1000	939	2,807

The G-E Club Girls' bowling team demonstrated their superiority in a return match of a home-and-home series with the Waters Recreation Girls team from South Bend at the G-E Club alleys on Jan. 18, winning by 2617 pins to 2402. The Club girls hit a total of 979 in the second game.

Anita Rump turned in games of 228 and 209 and Bessie Lyons had a 226.

Achenback of the visitors had a double century in her second effort.

Scores:

G-E Club Girls

Lackey	159	159	164	
Lyons	180	226	146	
Rubey	170	169	157	
Klingenberger	132	197	154	
Rump	167	228	209	
Totals	808	979	830	2,617

Waters Recreation Girls

Lackey	174	181	111	
Wicker	142	147	182	
Achenback	147	209	194	
Bauer	158	162	156	
Broun	141	152	146	
Totals	762	851	789	2,402

The G-E Club Girls bowling team defeated the Finucanes of Chicago, last year's champions in the women's International bowling tournament, in a match rolled at South Bend on Jan. 25. The local team totalled 2528 and the champions 2416.

Anita Rump led the G-E Girls with counts of 201, 180 and 161 for a total of 542, Miss Lyons totaled 529, and Miss Rubey had 517 for three games.

Score:

G-E Girls

Lackey	147	165	171	
Lyons	152	200	177	
Rubey	180	169	168	
Klingenberger	140	136	131	
Rump	201	180	161	
Totals	820	850	858	2,528

Finucanes

Burke	136	191	203	
Foell	138	169	152	
Paroler	125	171	180	
Kirg	137	170	160	
Willaman	162	169	153	
Totals	698	871	848	2,416

Singles Tournament

Hal Stewart won the G-E Club singles tournament with a total of 900 pins for four games. Herb Koch took second prize with 860 and Ed Kammeyer rolled high single game of 238 outside of prize money.

Leading scores of tournament:

Leading Scores of Tournament:

	Total	Prize
Hal Stewart	900	$15.00
Herb Koch	860	10.00
C. Auer	855	8.00
F. Farnan	851	7.00
M. Axt	846	6.00
A. Knoll	831	5.00
D. Rump	824	4.00
G. Jackson	823	3.00

Masonic League

Sol. D. Bayles' lodge team is leading the Masonic League, comprised of six teams from the city Blue Lodges and DeMolay, in the circuit games rolled Thursday evenings at the G-E Club alleys.

Fred Rapp, Paul Grimme, Joe Laisure Bob Orff, George Seabold and Heine Kammer, of Sol D. are bunched in the individual average lead between 175 and 180. Cunningham of Summit City has 172 for 27 games. Laubenstein is leading the Home team with an average of 169 to 21 games.

Vic Blomberg and Wade Reed of Sol D. have averages of 162 and 156, while Bushong and Auer are holding averages of 147 and 130 on the DeMolay crew.

The Harley Somers cup is to be awarded the team winning the season's championship honors.

Present league standings:

Present League Standings:

	G	W	L	Pct.
Sol D. Bayles	42	36	6	.857
Maumee	42	26	16	.619
Summit City	42	21	21	.500
Wayne	42	18	24	.428
DeMolay	42	15	27	.357
Home	42	13	29	.309

Masonic League Schedule

G-E Club Alleys—9 p.m.—Thursdays

Team	Name		Captain
1	Wayne	25	Lawrence Sunderland
2	Summit City	170	Clyde L. Rothermel
3	Home	342	F. Harber
4	Sol. D. Bayles	359	R. O. Orff
5	Maumee	725	John Lombard
6	DeMolay		Harley Somers

Second Half

Date	Alleys 7-8	Alleys 9-10	Alleys 11-12
Feb. 19	1-5	2-3	4-6
Feb. 26	3-4	1-2	5-6
Mar. 5	2-5	3-6	1-4
Mar. 12	1-3	4-5	2-6
Mar. 19	1-6	2-4	3-5
Mar. 26	4-6	1-5	2-3

Apparatus League

	Won	Lost	Pct.	Ave.
Engineers	5	1	.833	828
Print Press	5	1	.833	779
Bases	4	2	.666	818
Frames	5	2	.666	786
Edgewise Coils	3	3	.500	809
A. C. Coils	3	3	.500	779
D. C. Fields	3	3	.500	770
Brackets	2	4	.333	811
Cost	2	4	.333	804
Test	2	4	.333	764
Armatures	2	4	.333	760
Switchgear	1	5	.166	786

High Team Score

One Game—Brackets, 914
Three games—Brackets, 2584

High Score

One game—C. Johnson, 266
Three games—A. Blomberg, 618

	G.	Ave.		G.	Ave.
J. Schafer	39	191	W. Weikart	39	157
C. Dicke	29	187	C. Moffatt	36	157
A. Blomberg	39	182	C. Foultz	39	157
C. Johnson	39	181	O. Johnson	36	156
L. Lareintis	31	181	H. Wirick	36	155
E. Reese	39	178	K. McDougal	27	155
L. Cun'gham	36	176	M. Evers	39	154
W. Hoke	39	175	J. Momper	36	153
J. Laisure	35	174	C. Engleman	33	153
V. Blomberg	6	172	G. Telley	36	152
E. Zollinger	39	171	J. Henry	39	151
O. Huge	6	171	P. Scotten	39	150
C. Zeig	39	170	W. Wehrs	36	150
A. Braun	39	170	Ed. Koch	39	150
H. Borchelt	39	168	S. Head	36	149
H. McAtee	6	168	E. Braun	36	148
W. Starke	24	167	T. Koorsen	35	148
L. Wallace	39	166	C. Strodel	33	147
G. Plaisted	39	166	N. Prince	35	144
I. Kellogg	39	166	F. Cooper	33	143
F. Brown	6	166	H. Hickman	39	142
G. Kaade	35	165	R. Smith	39	141
C. Barricks	6	163	H. Mueh'b'ck	39	137
W. Whons'tler	39	162	E. Enslen	36	136
B. Bushong	36	162	J. Rogers	24	134
J. Crowe	39	162	Downie	6	130
A. Anderson	3	162	P. Bohn	6	129
W. Hoelle	33	161	J. Yates	6	127
L. Patton	36	160	C. Brenner	37	123
A. Ulmer	39	160	Wm. Kel'm'er	3	84

Foremen's League

Team Standings

	Won	Lost	Pct.	Ave.
Duplex	18	9	.667	870
Fire Dept. Nozzle	17	10	.630	863
Refrigerator	17	10	.630	851
Water Cooler	14	13	.519	849
Wire and Insulation	14	13	.519	847
Fire Dept. Hose	13	14	.481	847
Inspection and Test	12	15	.444	848
Meter	12	14	.444	842
Small Motor	12	15	.444	835
General Service	12	15	.444	833
Transformer	11	16	.407	837
Tool Supply	10	17	.370	838

High Team Score

One game—Duplex, 993
Three games—Fire Dept. Nozzle, 2760

Individual Average

	G.	Ave.		G.	Ave.
Harkenrider	60	192	Herney	60	155
Buuck	54	186	Thiele	60	155
Knepple	57	181	Hall	54	154
Haberkorn	9	179	Hire	45	154
Grimme	57	177	Mueller	45	152
Tobias	39	175	Auman	51	151
Foellinger	57	174	Kissinger	57	150
Bennigan	54	173	Sivits	57	148
Boyce	54	171	Hart	60	148
Szink	60	170	Wiedelman	48	148
Bell	9	170	Kammeyer	51	148
Bunting	60	168	Platt	60	147
App	57	167	Glusenkamp	54	147
Walt	45	167	Myers	60	147
Schwartz	60	166	McAtee	60	144
Kelsey	57	165	Harrigan	57	143
Prince	60	164	Kruge	51	142
Nahrwold	57	163	Hoffman,	18	142
Rockhill	54	162	Gollmer	48	139
Garihan	57	162	Anderson	39	137
Holloway	57	162	Steinbacker	24	137
Hoffman, R.	39	161	Knocke	45	137
Hermely	54	161	Tuttle	60	135
Skevington	57	159	Banks	48	129
Schild	51	159	Simpson	39	129
Weitzman	51	157	Klingman	54	128
Beinz	60	157	Sordelet	27	120
Bobay	57	157	Schwartzkopf	60	121
Schafenacker	57	155	Miller	30	111
Kabisch	45	155	Wolf	21	104

Meter League

Team Standings

	W.	L.	Pct.	Ave.
Covers	16	8	667	835
Registers	14	10	583	852
Bases	14	10	583	851
Leads	14	10	583	842
Discs	14	10	583	841
Jewels	13	11	542	836
Pivots	12	12	500	833
Elements	12	12	500	819
Gears	11	13	458	821
Magnets	10	14	417	833
Terminals	8	16	333	829
Seals	6	18	250	809

High Team Score

One game—Magnets, 1001
Three games—Magnets, 2734

High Individual Score

One game—Jackson, 267
Three games—Stewart, 727

Individual Average

	G.	Ave.		G.	Ave.
Jackson	57	200	Johnson	57	167
Stewart	48	197	Wood	24	166
Knoll	57	193	Sexton	57	165
C. Rump	51	191	Beitel	57	163
Dreyer	54	184	Didier	54	162
Bushing	57	183	Bauer	39	162
E. Kammeyer	57	182	Fisher	57	161
Lawrence	57	180	Castor	51	161
Hueber	54	178	Witherow	45	160
Jacobs	54	178	George	57	160
V. Rump	54	178	Payton	57	160
Allen	9	178	Laubenstein	54	158
Nieman	57	177	Sordelet	57	158
Reitdorf	54	177	Molthan	48	157
Weick	45	177	F. Kammeyer	45	157
Thompson	18	177	Eylenberg	57	156
Erne	51	177	Spade	54	155
Snyder	57	176	Steup	57	155
Schwartz	57	176	Schwalm	57	154
Knock	54	175	Winstel	45	153
Voorhees	30	175	Hermely	51	152
Luessenhop	24	173	Koehlinger	57	148
Haberkorn	54	172	Holben	57	148
Heine	45	171	McCoy	57	148
Greek	54	170	R. Kammeyer	57	148
Evans	42	169	Moellering	57	147
Schoenlein	53	168	O. Kammeyer	45	146
Mettler	42	168	Payne	57	142
Schafenacker	57	167	Adams	51	141
Geisler	57	167	Freehill	57	135

Small Motor League

TEAM STANDINGS

	Won.	Lost	Ave.
No. 7	15	9	849
No. 11	15	9	848
No. 4	15	9	841
No. 6	15	9	836
No. 12	14	10	857
No. 5	12	12	844
No. 10	12	12	830
No. 8	12	12	812
No. 9	11	13	823
No. 2	9	15	812
No. 1	8	16	814
No. 3	6	18	811

HIGH TEAM SCORE

One game—12, 1037
Three games—3, 2669

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Quinn	54	191	Archer	57	161
Franke	48	186	McKee	33	160
Rapp	48	184	Ranck	57	160
Kammeyer	15	184	Graham	54	157
Cochoit	30	179	Walt, R.	48	157
Tobias	33	178	Wilson, V.	54	157
Kromm	57	177	Agler	30	154
Heinley	51	177	Lash	57	152
McCullough	57	176	Kroeger	42	150
Wyss	24	176	Gibson	45	150
Joseph	57	175	Cooper, P.	54	150
May	54	173	Stute, E.	24	150
Mckering	57	172	Kline	57	148
Daley	57	172	Miller	57	144
Straub	45	172	Marsh	51	144
Nicole	24	171	Koogle, P.	24	141
Rose	21	171	Oyer	54	139
Stute, A.	57	170	Archibold	57	139
Hott	54	169	Meyer	51	139
Meyer, J.	57	169	Batson	39	137
Cooper, G.	54	168	Hartman, M.	42	136
Reiter	51	168	Auer	45	136
Frauhiger	27	168	James	21	134
Meyer, O.	21	167	Turschman	45	131
Hartmen, G.	54	166	Vachone	36	128
Walt, W.	39	165	Sroufe	48	121
Kirkendall	54	164	Wutzler	57	119
Stahl	12	164	Wilson, F.	51	118
Schwalm	9	164	Wagner	21	118
Larimore	57	162	Lhamon	57	109

Transformer League

TEAM STANDINGS

Team	Won	Lost	Pct.	Ave.
Bells	7	2	778	797
Radios	6	3	667	790
Signlighters	6	3	667	774
Potentials	5	4	556	751
Capacitors	4	5	444	777
Toys	3	6	333	788
Ignitions	3	6	333	785
Oiltesters	2	7	222	746

HIGH INDIVIDUAL SCORE

One game—Kopp, 234
Three games—Kopp, 653

HIGH TEAM SCORES

One game—Radios, 887
Three games—Radios, 2523

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Cox	48	192	Wilson	48	153
Kopp	39	192	Fultz	24	153
Tagtmeyer	48	183	Chadwick	42	152
Williams	48	175	Harshman	45	152
Kronmiller	45	174	Sommers	48	145
Schlatter	48	174	Redding	42	145
Fryback	48	173	Lantz	42	144
Cook	47	170	Staehle	30	144
Zelt	48	168	Feighner	48	143
Gallmeyer	48	168	Vance	48	142
Gargett	33	168	Moyer	45	141
Fink	48	165	Garta	48	141
Magers	9	162	Law	48	140
Schurenberg	48	160	Tharp	45	139
R. Leitz	33	159	Chapman	9	134
Richey	42	158	Gildea	30	132
Meeker	45	158	E. Leitz	6	127
Rice	48	155	Stonehill	48	126
Weick	42	155	Hansel	9	124
Bradley	48	154	Wickliffe	39	119

Office League

TEAM STANDINGS

	Won	Lost	Pct.	Ave.
Club Orchestra	11	4	733	741
G.E. Squares	10	5	667	780
Plant Construction	7	8	467	789
Frac. HP. Sales	7	8	467	712
Accounting	5	10	333	846
Material List	5	10	333	685

HIGH TEAM SCORE

One game—G.E. Squares, 1016
Three games—Accounting, 2773

HIGH INDIVIDUAL SCORE

One game—H. Koch, 254
Three games—H. Koch, 615

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Koch	41	188	Weisenburger	45	151
Roeger	45	175	Hawk	24	150
Waldschmidt	45	172	Yarian	45	149
Hemphill	45	172	Reinking	45	149
Waldsc'dt	44	172	Dale	30	149
Dannecker	45	170	Blankenbaker	45	145
Blomberg	45	169	Billings	45	144
Byrne	39	165	Ditton	45	144
Reed	45	160	Fagan	45	144
Wade	45	160	Stroehle	42	144
Shultz	45	158	Kingsley	42	143
Fisher	45	158	Sougham	45	140
Shannon	42	156	White	45	130
Doan	42	155	Kelker	45	117
Geary	45	151	Pearson	45	114

Building 21 League

TEAM STANDING

	Won	Lost	Ave.
Medical	9	6	608
Employment	7	8	606
Industrial Service	7	8	600
Wage Rate	7	8	593

INDIVIDUAL SCORES

	G.	Ave.		G.	Ave.
Einsiedel	15	181	Hockett	15	146
Garton	15	174	Bauman	12	144
Witte	15	170	Freeman	12	143
Fox	12	160	Miller	15	140
Melchine	15	157	Hoffman	12	139
Hench	15	150	Nash	9	129
Swager	15	149	Rastetter	9	125
Bullerman	15	149			
Arnold	15	148			

Inter-Department League

TEAM STANDINGS

	Won	Lost	Ave.
Small Motor	9	3	967
Winter St.	7	5	933
Meter Dept	7	5	912
Athletic	7	5	907
Fire Dept	6	6	942
Meter Models	6	6	924
Apparatus	6	6	915
Gen. Stores	0	12	892

INDIVIDUAL AVERAGE

	G.	Ave.		G.	Ave.
Jackson	54	204	Hueber	45	183
Stewart	54	201	McAtee	54	182
Harkey	45	198	Bushing	54	182
Doehrman	27	198	Tagtmeyer	54	182
Schlup	48	196	Hamilton	21	181
Zurcher	33	196	Kammeyer	45	181
Knoll	51	194	Barney	51	180
Byron	51	192	Seymour	42	180
Kopp	51	192	Saaf	54	179
Cox	54	191	Cook	54	179
Crump	51	191	Shober	54	178
Quinn	54	191	A. Walda	51	178
Auer	42	191	Orff	51	176
Luedeman	54	187	Einseidel	27	174
Huber	48	186	V. Rump	54	174
Lankenau	45	186	Lindemuth	45	173
Stone	54	185	Allen	51	172
C. Walda	51	185	Plaisted	54	172
Kammer	33	184	Greek	48	171
Cochoit	12	184	Hickman	45	171
Schrantz	45	183	Kissner	54	169

Mazdas Tie for First Half Honors

The G-E Mazdas tied with Wayne Knits for first place in the Industrial Basketball League and a play-off will be necessary to decide first half winner in the circuit.

The locals have been playing good ball at the local high school gyms on Saturday evenings and the second half will undoubtedly be a close race featured by hotly contested games.

Corson, Fisher and Braden are leading in scoring honors, with totals of 41, 40 and 31 points. The complete record of scores follows:

	G	FG	FT	Total
Corson	8	19	3	41
Fisher	8	14	12	40
Braden	8	11	9	31
Gamec	7	8	7	23
Nahrwold	4	4	4	12
Elward	2	3	1	7
Mossburg	5	1	2	4
S. Holmes	1	1	0	2
Heater	3	0	1	1

Inter-Dept Basketball

Apprentice and Winter Street teams are tied for first place in the Inter-department basketball league, each having won six and lost one game, with two games yet to be played in the first half of the present schedule. Main Office was tied for the same place but lost to Refrigeration. The majority of the teams are quite evenly matched in playing strength and some interesting contests have been witnessed by fair-sized crowds at the G-E Club gymnasium.

The second half schedule will have the upper teams bracketed for one round of games, while the lower teams are playing a similar round. The winner of each division will then play for second half honors, and this team will play the first half leader for championship title.

TEAM STANDINGS:

	W	L	Pct.
Apprentice	6	1	.858
Winter Street	6	1	.858
Main Office	5	2	.715
Refrigeration	5	3	.625
Squares	4	3	.572
Small Motor	4	4	.500
Transformer	4	4	.500
Meter	1	6	.142
Tool Specials	1	6	.142
General Service	1	7	.125

Gym Work Popular

The men's gym class conducted by A. Delagrange on Monday and Wednesday evenings from 5:30 to 6:30, and the girls' class instructed by K. Kirbach on Thursday evenings at the G-E Club gymnasium are well attended and the pupils are showing continued improvement in their efforts.

The gymnasium is fully equipped with every form of approved apparatus and both instructors are thoroughly trained in calisthenics and suitable games for class use.

Frank Newport, wrestling instructor, has a large class of grapplers out on Tuesday and Thursday evenings, from 5:30 to 7:30, and some of the boys show unusual ability.

Pupils from Nick Little's boxing classes, held on Monday and Wednesday evenings, recently won the Inter-city tournament from the Indianapolis Turners team, and are now being groomed for the G-E Club and *Journal-Gazette* Golden Gloves elimination tournament.

The finals in this elimination tournament will be staged in the G-E Club gym on Monday night, Feb. 23.

Junior Basketball

The G-E Junior basketball team is continuing its long string of victories and has totalled 331 points to their opponents 153 in this season's games. Although the Juniors have played most of the teams of their class here, and also met teams of the senior class, they have not been defeated.

Hunt, Strouse and Florent are leading the squad in points scored, but all of the players have contributed their share toward chalking up wins.

SUMMARY OF POINTS

	G	FG	FT	Total
Hunt, f	10	38	17	93
Strouse, f	10	36	15	87
Florent, c	8	30	6	66
Richards, g	8	13	14	40
Trentadue, g	10	12	7	31
Staight, g	10	5	2	12
Steiger, f	4	1	0	2
Evans, f	4	0	0	0

Motors Lead in Volleyball

The Motors team, of the Fractional Hp. Motor Dept., won first half honors in the Inter-department volleyball league with 26 victories and one defeat. Winter Street dropped two games during the initial round of scheduled matches and finished in second position in the league standings. Apprentice and Refrigeration teams finished in a tie for third place, while Main Office, Meter, Transformer and Drafting representatives finished in the order named.

Motors took three straight games in their first match of the second round against Apprentice, Refrigeration defeated Drafting, Winter Street won from Meter, and Transformer lost to Main Office.

Matches of three games are played every Tuesday and Friday evenings at 5:30 and 6:15 in the G-E Club gymnasium.

FIRST HALF STANDINGS

	W	L.	Pct
Motors	26	1	.963
Winter St	25	2	.925
Apprentice	17	10	.630
Refrigeration	17	10	.630
Main Office	16	11	.592
Meter	15	12	.556
Transformer	12	15	.444
Drafting	10	17	.370

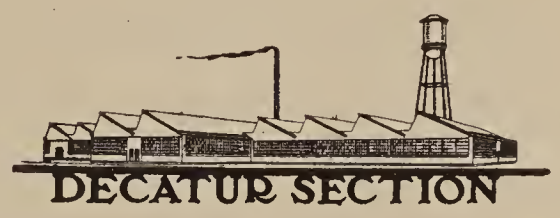
Mrs. Francis Presents Trophy

Unusual interest has been created in the Inter-department basketball league with the presentation of the Albert J. Francis trophy, by the late Mr. Francis' wife, Mrs. Carrie L. Francis.

Mr. Francis, former manager of the Fractional Horsepower Motor Sales section, was keenly interested in all of our athletic activities, and with Mrs. Francis, attended a majority of the games. They were both close followers of basketball and it was Mr. Francis' intention to give a perpetual trophy to this sport but his untimely death prevented carrying out of the plan. However, Mrs. Francis knew of his desire and has presented a truly beautiful trophy for awarding to the championship team at the end of each season.

The Inter-department basketball league comprises representative teams from the Apprentice, General Service, Main Office, Meter, Refrigeration, Small Motor, Tool Making, Transformer and Winter Street departments and the Squares organization. Games are played every Monday and Thursday evenings over an 18-week schedule in the G-E Club gymnasium, and more than 100 players participate in the league contests during the season.

The Albert J. Francis trophy, consisting of the silver figure mounted on a black ebony base and standing 18 inches high, has been placed in the trophy case at the G-E Club. At the conclusion of the present season the trophy will be awarded to one of the above named teams of the league.



Three Firemen Complete 10 Years in Fire Dept.

ON Jan. 19, the members of the local fire department gathered in the dining room of the Decatur Plant to honor three of their fellow members, Charles Baxter, Albert Beery and Leo Ulman, who recently have completed 10 years' service in the Fire Dept. Incidentally these three are the only remaining members of the original fire department organization at Decatur Plant.

The Albert J. Francis Trophy

Weddings

Riley-Andrews

On Jan. 2 Alma Andrews, an employee in the Winding Dept., and Dale Riley were united in marriage, the ceremony taking place in Louisville, Ky. Mr. and Mrs. Riley are now residing at the Mrs. Louis Gehrig residence on South Eighth Street.

Brandyberry-Reffy

Another Jan. 2 bride from the Winding Dept. was Marie Reffey who was married to Raymond Brandyberry. This young couple are now at home in an apartment on North Second Street.

Basketball

The local G-E Club basketball team is still marking them up in the winning column.

On Dec. 27, the Club took a game from the La Fountain Legion team on the latter's floor by the score of 36 to 29.

On Dec. 29, the Huntington Moose and the Decatur G-E Club teams met in a battle at Huntington. Again the G-E boys had things their own way, the final score being 33-25 in the G-E Club's favor.

Then on Jan. 2 the Tri-State Loan team succumbed to the attack of the locals on the G-E Club's home floor, by a score of 19 to 24.

In their next game, however, the Club struck a Tartar in the West Unity, Ohio, team which pulled a win on the Club by a score of 47-45 on the Decatur floor.

On Jan. 6 the Markle Booster and G-E Club put on another of their traditional battles. After the lead had changed hands several times during the course of the game the G-E Club in the final minutes of play gained a one-point lead which they held to the end. The score was 31-30. This was the seventh game between these two teams in the past three seasons.

On Jan. 19 the Club went visiting to play a return game with the Tri-State Loan team at Fort Wayne and came home with a 39-37 victory.

On Jan. 20 the Club entertained the Huntington Legion team and sent them home smarting under a 52-36 defeat.

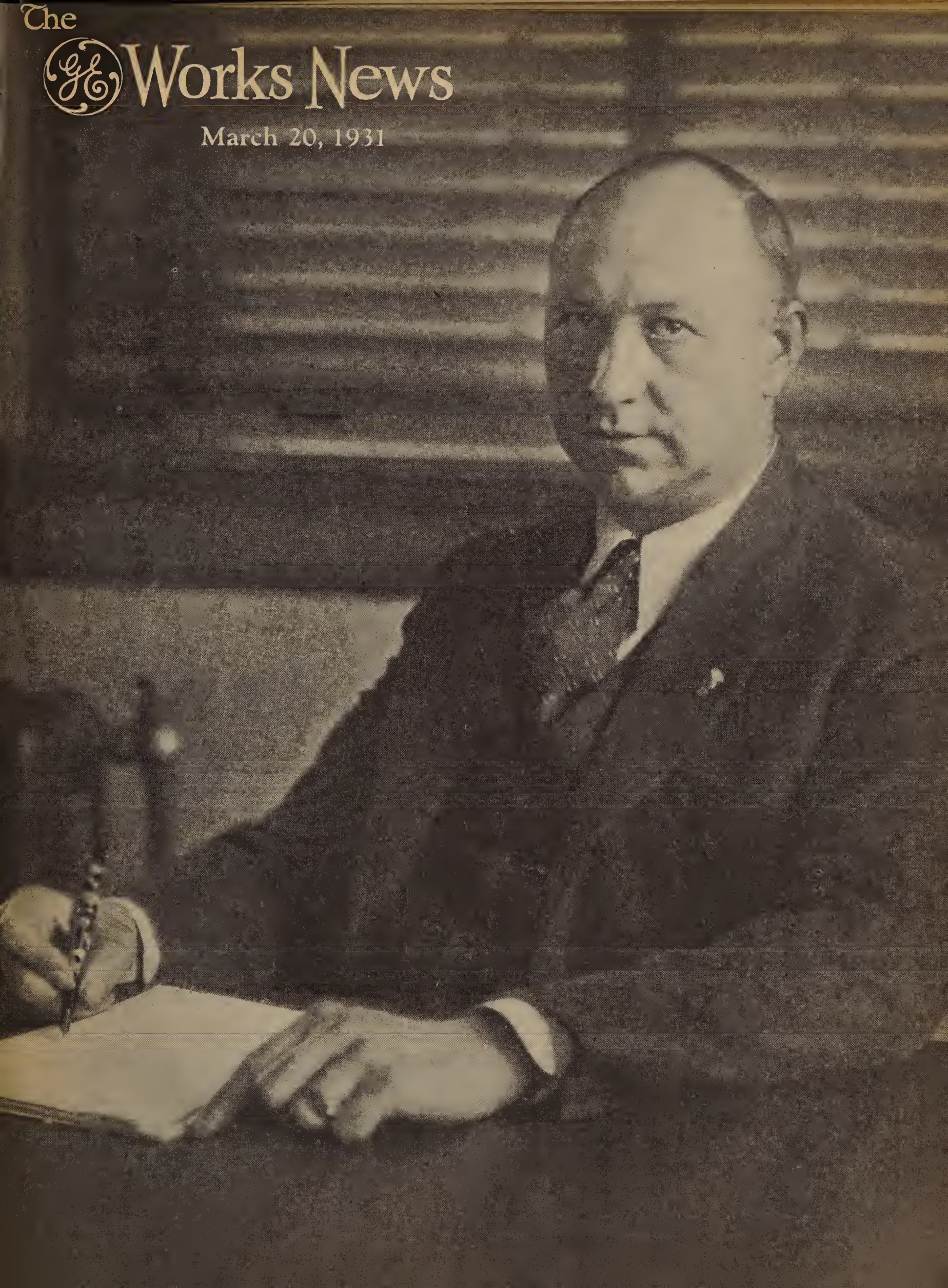
At this place on the schedule the Rochester Olds turned the tables and showed the Club the hardwood game as it should be, defeating the Club, 51-35.



Let us impart all the blessings
we possess, or ask for ourselves,
to the whole family of mankind.

GEORGE WASHINGTON

The
Works News
March 20, 1931



Service Anniversaries for March

Fort Wayne Plant

10 Years

Charles Von Behren,	March 4, 1921	Alonzo J. Rice,	March 17, 1921
Howard Landreth,	March 6, 1921	Ralph B. Shaffer,	March 19, 1921
Lawrence Rupert	March 11, 1921	Dorothy Rebber,	March 27, 1921

15 Years

George Telley,	March 3, 1916	John L. Johnston,	March 17, 1916
Ed. David,	March 6, 1916	Leo A. Vachon,	March 20, 1916
W. J. Uecker,	March 6, 1916	Nora Landstoffer,	March 22, 1916
Chas. Bouillion,	March 7, 1916	Adelaide Levenberger,	March 23, 1916
Walter M. Beaty,	March 7, 1916	John A. Welling,	March 23, 1916
Christ Thiele,	March 7, 1916	Owen O. Vaught,	March 27, 1916
Leo Persing,	March 7, 1916	Ernest J. Cutter,	March 28, 1916
John J. Butler,	March 9, 1916	Gust Harges,	March 29, 1916
John H. McClure,	March 9, 1916	Perry Johnson,	March 29, 1916
Edward Bailey,	March 15, 1916	Herman F. Braun,	March 31, 1916
Valentine Werner,	March 16, 1916	Charles E. Spencer,	March 31, 1916
O. Johnson,	March 16, 1916	Arthur Eberwine,	March 31, 1916

25 Years

Val. Werkman,	March 8, 1906	Erba Price,	March 24, 1906
Frank J. Goetz,	March 26, 1906		

30 Years

Frank J. Crighton, March 2, 1901

Decatur Plant

10 Years

Hubert Cochran, March 7, 1921

15 Years

Frank Braun, March 14, 1916

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 March, 20, 1931 No. 3

Meter and Wire and Insulation Divisions Celebrate

WITH a gala party which started with a dinner in our Works restaurant and concluded with a motion picture show and dance in the G-E Club gymnasium, employees of the Meter and Wire and Insulation Divisions celebrated the outstanding accomplishment of working throughout the year 1930 without a single lost-time accident. This celebration was held on Feb. 10 and was combined with the formal awarding of the annual safety trophies to the winning divisions.

To serve so large a crowd simultaneously required the use of all four of the restaurant dining rooms. A group of girls headed by Irene Meyers as chairman had decorated all the dining rooms in green and white, the safety colors, and had provided green and white paper caps for each of the guests. During the dinner, these girls were dressed in clever green and white costumes and acted as hostesses. The members of this committee were Ruth Dixon, Alma Schneider, Josephine Offerle, Alice Dailey, Irene Parr, Agnes Beckman, Helen Stahl, Esther Pape, Myrle Strause, Helen Bleke, Valeria Murray, Leona Farra and Irene Meyers. While the dinner was in progress entertainment was furnished by a German Band composed of Ralph Dennison, Joe Miles, Raymond Kierspe, Walter Mersman, Arthur Nickerson and Lawrence Michaud and the "Bell Boys' Quartette" composed of George Powers, Everett Lindeman, Walter Sawyer and Herman Martin. Small metal shields engraved "G-E Safety Dinner 1930" were given as souvenirs to all present. There was an excellent bill of fare, a jolly crowd and everything worked out nicely.

The dinner over, the employees of the two departments and their guests assembled in the G-E Club gymnasium which had been reserved for the event and here the formal presentation of the safety trophies was made by Mr. Goll. Previous to introducing Mr. Goll, Mr. Barnes, who acted as chairman, mentioned in a general way the effectiveness of our safety work and introduced L. C. Swager, safety engineer, and W. J. Hockett, head of the Industrial Service Dept. which has, among other things, supervision of all safety activities.

In presenting the Safety Trophies, Mr. Goll said:

"Unfortunately our modern activities, whether we are at work in shops, on the railroads, in building and construction work or in the traffic of the streets and highways, are increasingly complex and unavoidably take an increasing toll in the shape of accidents and injuries.

"To meet this menace, General Electric and other of the larger companies have jointly and individually developed safety programs which involve the installation of safety devices at all points of danger, and the education of all members of the organization in habits of safety and a so-called safety consciousness.

"The interest of the Company in this program is both selfish and unselfish—selfish because under the State laws it is necessary for us to pay compensation for injuries or fatal accidents occurring in the course of employment and unselfish, for contrary to many characterizations of the large companies as soulless corporations, the men who manage and direct them are made of the same kind of stuff and have the same hearts and sympathies that you and I as employees have. I know positively that they would authorize the Company to expend a much larger sum than it now does for its safety program if by so doing accidents, minor and fatal, could be entirely avoided or substantially reduced. This is a matter which is very close to the hearts of our executives and they are sparing no pains to make their safety program as effective as possible. But after the Company has practically exhausted every means to meet this situation, its efforts will be of little avail unless the employees give us their hearty coöperation and learn constantly to think and practice safety.

"In the prosecution of this program the General Electric Company has expended for safeguarding its plants and equipment in the past 18 years over $1,300,000. At Fort Wayne Works we have expended from 1912 to 1930 inclusive, approximately $175,000, and a maximum of $33,700 in 1929.

"In payment for compensation claims we have expended in the past seven years over $101,000, an average of $13,000 per year.

"The results have been very gratifying. The lost-time accidents per year for every 100 full time employees have decreased consistently over the past 12 years with a maximum of 7.39 in 1923 to the lowest in our history, 1.94 in 1930; that is, slightly less than two accidents per 100 employees throughout the entire year.

"The Meter Dept. has had an enviable record in this work, having



Meter and Wire and Insulation Division Employees and Guests at the Presentation of the Safety Trophies



One Trophy



—And the Other

received the trophy for the best departmental record in the years 1923, 1926, 1928, and 1929. The Wire and Insulation Dept. received a similar trophy in 1927, and now it is a great gratification to realize that we are making progress, and that our efforts are bearing fruit, as evidenced by the fact that these two departments of the Fort Wayne Works, the Meter Dept. with a total of approximately 1,139,000 man-hours in 1930, and the Wire and Insulation Dept. with a total of approximately 273,000 man-hours in 1930, went through this year without a lost-time accident, a feat never before accomplished in the entire history of this Works, and seldom equalled in any other plant of the Company.

"Not only is the Company proud of this record and grateful to the employees of these departments for their part in this accomplishment but it seems to me that this is a case where virtue is its own reward in that these men and women have saved themselves from the suffering and the loss in wages attendant upon lost-time accidents.

"You have our heartiest congratulations and the hope that this experience may stimulate you to continue this good work."

At the conclusion of these remarks he presented the Meter Division's trophy to E. L. Locker, who accepted it for the Meter Division, while the Wire and Insulation's trophy was presented to H. E. Hire, their superintendent.

After a picture of the assemblage had been taken by the Works photographer, a comedy and a 5-reel feature talking-motion picture were shown.

About Our Cover Subject

SURELY there are few employees of our Fort Wayne Plant who will not know that the likeness which greets them from the cover of this Works News is that of A. R. Vegalues, chairman of our local Board of Administrators G-E Employees Unemployment Pension Plan. "Butch," as everyone who knows him well, is inclined to call him, has been a mighty busy man since December 1 when the unemployment emergency was declared to exist. He has been serving as chairman of the special committee of four, which has been charged with the responsibility of disbursing the funds available to Fort Wayne Works employees who find themselves in urgent need as a result of extended unemployment. In fact, both Chairman Vegalues and Mary Coles, the disbursements clerk, have been on this work constantly since December 1. In addition the handling of this situation has required much of the time of W. J. Hockett and I. H. Freeman, the other two members of the Committee on Disbursements. Theirs has been a difficult task for it has involved the interviewing of scores of employees to make sure that funds available would be distributed with utmost fairness in accordance with individual needs.

It was in September, 1916, that Mr. Vegalues started work in the Small Motor Repair and Return section then located in Bldg. 17–3. When the war came on he entered the U.S. Signal Corps. On his return, he was again employed in the Repair and Return section but when the work of that section was absorbed by other manufacturing departments he was transferred to the Small Motor assembly under Foreman William Rayhouser Bldg. 4–5, where he since has been regularly employed.

The fact that almost everyone knows "Butch" and appreciates his willingness to be of service in any worthy endeavor has brought him many assignments in connection with outside activities. First, we may mention that he has been a member of our Volunteer Fire Dept. for the past 13 years. Then he has served as chairman, secretary and vice chairman of the M.B.A. sections with which he has been identified. When Christmas rolls 'round Elex and the G-E Club invariably call on him to take a Santa Claus part. A booming voice which he possesses has landed him the job of official announcer of the G-E Club and in this connection, many will remember the time when his tongue tripped him into announcing a certain boxing event as "150 rounds at 6 pounds." The American Legion also has requisitioned Butch's services and he is now serving as Commander of Post No. 47.

Harry C. Prange is Candidate For Bond Director

HARRY C. Prange, Meter Division, Bldg. 19–4, who has been in the employ of the General Electric Company here for the past 34 years, was nominated in the election held during the past month as Fort Wayne Works' candidate for Bond Director of the G.E. Employees Securities Corporation. By virtue of this nomination, Mr. Prange's name will be voted on with the candidates from other Works at the annual meeting of bond holders to be held in Schenectady, on April 6. Since the organization of the G.E. Employees Securities Corporation,



Harry C. Prange

(*Continued on page V*)

Suggestion Awards

AN award of $75 made to Ralph Dolan, Bldg. 26-4, leads in amount the awards made by the Fort Wayne Works Committee on Suggestions during the four weeks' period Jan. 26 to Feb. 21, inclusive. Mr. Dolan's award covers three suggestions applying to the manufacture of phonograph motors, one improving the method of manufacture of certain parts, another saving material in the construction of a part while the third simplified the making of electrical connections.

W. W. Porsch, of Winter Street Plant, suggested a new method of making the heater tubes for refrigerating machines which proved practical from a manufacturing standpoint and he received $30 in award.

Leland Paul Larenitis, Bldg. 19-2, suggested the transfer of manufacture of armature clips to the Commutator Dept. in the Apparatus Division, the charge proved advantageous and Mr. Larenitis received $25 award.

Melvin Payne, of Bldg. 26-4, suggested certain changes be made in the design of IAC relay parts known as the "weights", drawings 3522630 and 3522802 and his suggestion in this regard brought him $20 award.

Harry Zimmerman, Bldg. 19-4, who has offered a goodly number of valuable suggestions in the past relative to relay construction and manufacture, was granted a $15 award on an improvement he suggested in certain relays which facilitates the adjustment of the disc in the magnet air gap.

William L. Fisher, Bldg. 26-4, was presented $15 award on his suggestion relating to a change in the routine involved in the ordering of small parts made on wire bending machines.

Earl L. Lenz, Bldg. 26-5, received $15 award on his suggestion that changes be made in the locating plates on certain rotor dies used in the Fractional Horsepower Motor Division.

R. L. Flightner, Bldg. 18-1, who in the past has received a number of suggestion awards on different ideas he has presented relative to the substitution of materials, has been granted $10 award on a suggestion that a standard nut which would be less expensive than the one specified be used on certain transformers manufactured here.



Leland Larenitis



W. W. Porsch



Ralph Dolan

Harvey Bacon, Winter St. Plant received $10 award on suggesting an improvement to pallet used in the Refrigeration Division.

Chalmer Steele, Bldg. 19-4, suggested changes to the IAC relay target release assembly, drawing K-3539556, and received $10 award.

H. C. Lemmel, Bldg. 17-2, was awarded $10 on his suggestion regarding changes to certain rotor dies used by the Fractional Horsepower Motor Division.

Clifford Eshelman, Bldg. 20-1, received $10 award on his suggestion relative to the method of lubricating the pump bearings on a washer installed in Bldg. 4-1.

Jacob Bauer, of Bldg. 6-2, suggested changes that would improve method of packing certain fractional horsepower motors and received $10 award.

Ray Ankenbruck, Bldg. 17-4, received a $10 award on suggesting an improvement to the arbor used in the turning operation on certain small motor end rings.

Awards in the amount of $5 each were paid to the following employees for ideas they embodied in suggestions which were adopted during the four weeks' period covered by this report:

Bldg. 4: Joseph S. Eifrid, R. C. Swartzel, Cecil McHenry, Harry Magner, Dorn Lytle, Raymond Epperson, R. Walters (John R. Potts and Eldon Mee), O. M. Hollingsworth, Robert M. Smith, Regmore Zuber (2), Emily Nierman, Louis J. Hinen (2), Justin Heaston, Willard F. Smith, Garland Roby (3) Robert H. White, Sidney W. Borton, T. J. Kitchen (2), Edgar P. Ort.

Bldg. 6: B. Herman, A. J. Kruse, Henry E. Jordan.

Bldg. 10: Earl McVey.

Bldg. 12: Herman E. Pence, (George F. Huber and C. C. Noyes), Robert F. Dressel, Fred Zehendner.

Bldg. 17: William Carr, E. E. Whitehurst, Cooney Houser, Everett McKee.

Bldg. 19: A. L. Phillips, William Hoelle, Virgil Carmean, Mae E. Wolfcale, Delphos A. Winter, C. F. Hambrock, Hovy L. Schrader, William H. Hanke, Ora V. Martin, H. F. Englebrecht, Harold S. Wirick, Ernst Fisher, Milroy W. Ploughe, Harry Zimmerman, Wm. McClish, Herman F. Heine, Chas. C. Holben, Donald B. Voorhees (3), Edwin C. Koch, R. C. Hageman, Helen A. Bleke, William L. Schwalm, Louis Gernand, John Hoelle, Arthur McNamara, Helen M. Schwartz, Hugh Johnson (2), Wm. F. Bitsberger.

Bldg. 20: Samuel E. Henry, Everett Keenon, O. W. Cartwright, Henry Tucker, Claude F. Daniels, John W. Grams.

Bldg. 26: Opal Irene Judd, Bertha Wollert, Edna Doty, Clam Hippensteel, Mary E. Smethers (2), Chas. O. Bower, Cedric J. Reed, Dewey Erne, Mercedes Grimm, Darold H. Emrick, Donald Travis, Edwin Paff, LeRoy H. Cook, Melvin Payne, L. Ethel Brown, Frieda F. Haver, Emery C. Spade, Wm. Fisher.

Bldg. 27: Edwin Schaefer, Fred L. Thieme, George H. Graue.

Winter Street: Harry Squires, Ira J. Crickmore, Ray E. Davis, Vern Gratts, Leo J. Neumann, Russell R. Burkholder, Paul L. Shedron, Kenneth Paul Carr, Edward N. Miller, J. J. Yost, Donald H. Voorhies, Maurice L. Poling, H. B. Murphy, Joseph Miller, Will C. Grubb, William H. Mills, Earl Joseph Galland, M. G. Foor, Mark A. Hennigh, Edgar A. Gallmeier.

H. C. Prange Is Candidate

(*Continued from page IV*)

Fort Wayne Works has been represented on the Board by the following men in turn: F. G. Duryee, William Koenig and Harry Zimmerman. Mr. Prange will go to Schenectady in April to be in attendance at the annual meeting of bond and stock holders.

Department Planning

A paper prepared by E. L. Locker, recently Superintendent of the Meter Division now Supervisor of Production in the Refrigeration Division, and presented at the February meeting of the Foremen's Club.

DURING the past few years more and more emphasis has been placed upon efficient and orderly operation of industry. There has been appalling waste and lost motion charged up to industry in the past, and even the best of our more efficient factories of today have a long way to go before reaching perfection.



E. L. Locker

The prime object of planning is to give improved service to customers and at the same time secure the most effective and orderly operation of a department.

In discussing this subject of department planning we will assume that considerable general planning already has been done and that we have the capital, management, buildings and machinery necessary to undertake the manufacture of a given job.

It is perhaps unnecessary to call attention to the fact that the buildings themselves play a very important part in the planning of a department. For instance, at Decatur the building was practically built around the machining layout. I understand the original floor space there has not been changed, although the output has been doubled several times by better planning, improved machinery and tools, new methods, changes in and substitution of materials just to mention a few things contributing to the results there achieved.

After receiving the drawings, material list, specifications, etc., for a product it is then necessary to analyze the job from the following angles: floor space, present machinery, new machinery, new tools, raw material, new finish requirements, etc.

While these points are being investigated the routing is determined and covered by the operation card. The operation card is an important link in the chain and must be absolutely correct and up to date all the time. It covers in sequence the operations to be performed, the departments doing the work, a list of tools required, the machines assigned to the job, class of help to be used, the rates to be paid and the route the material is to follow.

It is very important that foremen use the class of labor called for on the card, as this has been taken into consideration by the tool designers, the routers and particularly by the cost men. If the wrong class of labor is used the costs will be wrong and this may result disastrously if new business is at stake.

In making the analysis it is decided whether or not conveyors are to be used and if so, the general type, that is, belt, gravity, etc. Of course, the type of conveyors is usually governed by the character of the product but the kind of buildings also is a factor in making the final decision. For instance, in one-story buildings we might use all belt conveyors while in multi-story buildings belt conveyors, gravity conveyors, automatic elevators, etc., all might be required.

I believe it is common practice to make layouts using templates for each piece of apparatus in order to determine the best possible conditions as to material flow, light, ventilation, etc. This method of visualizing the actual layout is very good and calls attention to many things that ordinarily would not be thought of. This visualizing of the material flow through the shop is very important in a modern factory where progressive flow and assembly methods are used.

It is my impression that the factory layout, equipment and new methods receive the preponderance of our attention, while the other large item, capital invested, *i.e.*, the M.&A. inventory is not given the attention it deserves. It takes real thought and planning to always have enough raw material on hand to avoid costly delays in the factory and still keep the inventory as low as possible to assure an economical turnover. It takes still better planning to issue intelligent factory schedules as many conditions must be taken into account such as the present factory load, the past, present and future commercial requirements and the commercial conditions which affect the factory such as changes in design, etc., in order to close out superseded designs with the least possible scrap loss.

Another question that has been discussed for years is the economical manufacturing quantity. It takes judgment to determine just what this should be, as many factors enter into it and no set formulæ can apply. On a recent visit to a G.E. factory my attention was called to a stock room full of parts made on the so-called economical manufacturing quantity basis which represent a two years' supply. Of course, in the meantime much of this stock undoubtedly will become obsolete.

One of the most important phases of planning is the raw material accumulation and assignment on factory schedules. The raw material clerks must be kept in closest touch with commercial and production conditions in order to have the proper quantity of material available for current production and yet not accumulate excess stocks which may become obsolete by changes in design. In my opinion the best way to control factory production is by the proper releasing or scheduling of raw material which tends toward an even flow of properly balanced material through the shop. This is a very important point and considerable emphasis should be placed upon it. If the proper quality and quantity of raw material is delivered at the proper time it relieves to a very large extent the danger of unbalanced stocks. It is understood, of course, that a foreman should immediately protest a schedule that he cannot meet. If he does not do this, a very serious situation develops immediately which will wreck any production planning.

The main thought behind all planning should be the best possible way to expedite production which will not only keep the inventory at the lowest possible figure, but also give the very best service to the customer.



J. Frank Wasson



Collins S. Rehrer

Recent Deaths

Collins S. Rehrer

COLLINS S. Rehrer, 74, retired, who was one of the pioneer employees of our Company here and a charter member of the local G-E Quarter Century Club, died at the home of his daughter, Mrs. Clarence Gardt, of Dayton Ave., on the evening of Feb. 18. It was in October, 1885, that Mr. Rehrer took employment with the Fort Wayne Electric Light Co. which developed into our present Fort Wayne Works. He started work in the Armature Winding Dept., but in a few years was placed in charge of the Transformer Dept. In 1913, he was made foreman of field coil winding and continued in the Apparatus Division until his retirement on pension in July, 1926. At such time, he had a continuous service record of nearly 41 years, of which he served as foreman approximately 38 years. Mr. Rehrer is the father of James Rehrer of Bldg. 19–2 and a brother of Stuart Rehrer who retired from active service in 1928.

The funeral was held Saturday afternoon, Feb. 21, from Klaehn & Sons, Funeral Home with burial in Lindenwood.

Frank Thomas

Frank Thomas, 65, an employee of the Wire and Insulation Dept., Bldg. 12–2, died of heart trouble Feb. 7 at his home, 2122 Broadway, after a very short illness. Mr. Thomas had been employed here since Oct. 25, 1912, and was at his regular place at work only two days before his death. Surviving, are the widow, two sons and a daughter of this city, and three sisters of Greenfield, Ohio. The funeral was held from the Mungovan and Sons funeral parlors here on Feb. 10, the body then being taken to Sabina, Ohio, for burial.

J. Frank Wasson

J. Frank Wasson, 46, an inspector in the Fractional Horsepower Motor Division, died at the Lutheran Hospital, on Feb. 19, following an operation for appendicitis. He had been at his place at work only one week before the date of his death. Mr. Wasson was originally employed here in the summer of 1916 and worked until 1921 when he was laid off. He was not reengaged until May 4, 1922, when he became an inspector under Mr. Blakesley. His later work as an inspector was under the direction of Mr. Erickson. The funeral was held at Ossian on Feb. 21 with burial in Prospect Cemetery.

Apprentice Alumni Establish Educational Programs

DURING the ten years the Apprentice Alumni Association has been in existence, most of its efforts have been directed toward social activities and through these many social functions a closer bond of fellowship has been established between the individual members. Up to this time the only educational feature regularly on the schedule has been the annual inspection trip to manufacturing plants. This year the officers of the association have instituted an additional activity in the educational line. Through a special committee composed of C. F. Roembke, chairman; Virgil Asher, Delbert Roloff and Ordean Kiltie a series of monthly meetings have been arranged during which the activities of all the well defined phases of our industrial organization will be discussed by members who are identified with the respective activities. For each meeting special speakers will be selected and someone in each instance will be named to have general charge of the meeting and the discussion which will follow the presentation of the main addresses. This series opened with the meeting on Feb. 27 at which the engineering phase of our organization was the branch for general consideration. Leonard Roebel was in charge of this meeting and Paul Breimeier and Ordean Kiltie were the members who presented the talks on the functions and responsibilities of those who are engineers.

There were 25 of the apprentice alumni present at this initial meeting but it is hoped that a greater number will find it possible to attend in the future. Although these meetings may be thought of as a series, each number on the program is to be a distinct unit in itself and therefore it will not be necessary for members of the association to have attended previous meetings in order to get the benefit of the addresses and discussions on any subject when it is presented. From the program which follows it will be observed that the meetings are scheduled for the last Friday of each month.

The program:

Feb.	27,	1931—Engineering
March	27,	1931—Laboratory Functions
April	24,	1931—Drafting
May	22,	1931—Commercial Dept. Functions
June	26,	1931—Estimating
July	31,	1931—Routing
Aug.	28,	1931—Layouts
Sept.	25,	1931—Machine Design
Oct.	23,	1931—Tool Design
Nov.	27,	1931—Tool and Die Manufacture
Jan.	29,	1932—Time Study
Feb.	26,	1932—Gauges and their use
March	25,	1932—Test and Inspection
April	29,	1932—Maintenance
May	27,	1932—Costs

Bldg. 21 Bowling League Holds Party

THE Bldg. 21 Bowling League entertained the members of Bldg. 21 and their families at the Valencia Golf Gardens on March 5. There were prizes for golf won by Grace Phillips, Mrs. Carroll Arnold, Dick Melching, Leon Swager and Mary Melching.

While golf was the main attraction of the evening, it was by no

(Continued on page 14)

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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J. E. Hall.....Quarter Century Club

Vol. 15 March 20, 1931 No. 3

And They Say That "War Is Hell"

"WAR in its effects upon the armies themselves is frightful enough but the terror and the suffering that it causes women and children are incomparably worse!" These are the words of General Pershing, and General Sherman once said, "War is Hell." Thousands who have gone through the dreadful experience of war no doubt also have said or thought that "War is Hell."

But since there are more people killed and injured yearly by accident than have been killed or wounded in any war of the United States, should we not regard accidents as being a greater menace to our individual happiness than War? What a dreadful thing it would be if our country were engaged in a war which was killing thousands and wounding millions of soldiers every year. That is the very thing accidents now are doing—killing some 97,000 persons and wounding or injuring over 11,000,000 every year. War takes the lives of men. Accidents take the lives of defenseless women and children as ruthlessly as it does the lives of strong men. War is bad, but facts prove that our carelessness is worse.

Wisely, nations are making strenuous efforts to outlaw war. You and I would be wise to make as strenuous efforts to outlaw accidents.

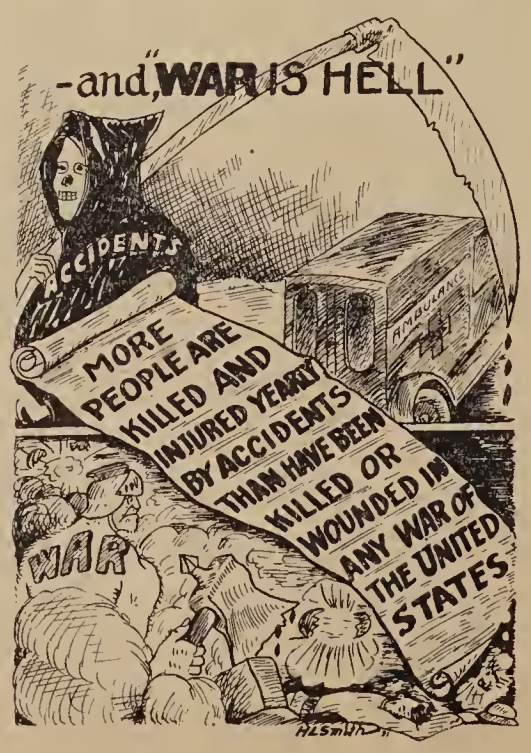
What About This?

HAS the passage of time made it desirable that you make a change in the beneficiary named in your life insurance policies or for your Company pension fund?

The death of a beneficiary, or in the instance of your free group insurance, a minor child named as beneficiary becoming of age, would make it desirable that you have the policies corrected to call for an eligible beneficiary.

Your free group insurance is different from other policies in that the full amount will be paid only to a beneficiary who is actually dependent; otherwise only $150 will be paid to your estate. A wife, a minor or dependent child or children, a dependent parent or parents, or if there are none of these a relative actually dependent upon the insured for support may be named as beneficiary. Should there be anyone dependent on you to whom you wish the insurance to go, such person should be named in your free insurance policy.

On additional insurance, salary allotment insurance, and pension fund, the question of dependency of the beneficiary does not enter as a factor. In many instances, however, after such policies have been written, things transpire which make it desirable to change the beneficiaries on the policies. If such is true in your case, you will do well to bring your policies to the Industrial Service Dept., Bldg. 21, where the policies will be changed for you.



Capacity Crowds at Free G-E Club Entertainments

A WIDESPREAD interest has been in evidence throughout the season in all the events arranged by the social committee for the free entertainment of the club members and their families or invited guests. In fact practically every show and dance given so far has been attended by capacity crowds, a line up outside the gym being in evidence on practically every show night awaiting the clearing of the house at the end of the first show. The committee in charge has been working hard to secure films which will be especially suited in appeal for all members of a family and has been gratified to be able to get the Aesop's Fables, films featuring the adventures of "Mickey Mouse," for the special interest of the many children that attend. The next talking-movie will be given on March 28 and the committee hopes to have a particularly interesting film for that night. As in the past, two shows will be given, the first starting at 7 and the other at 9 o'clock.

For the dance on March 14 the arrangements were carried out in the spirit of St. Patrick's Day. The gymnasium presented a pretty sight with the streamers of green and white and the lights shaded by their decoration of Shamrocks. The G-E Club orchestra presented a special selection of dance numbers for the occasion.

Chairman Klingman has announced that plans are under way to give another card party such as has been used in past years on the Club's calendar of free social events. Although the date for this party has not been set it is expected that it will be given soon after the distribution of this issue of the WORKS NEWS.

Report of Our Company for 1930

Annual Statement Shows Considerable Drop in Orders Received—Features Activities Of Company in Protecting Employees During Crises and in Normal Times

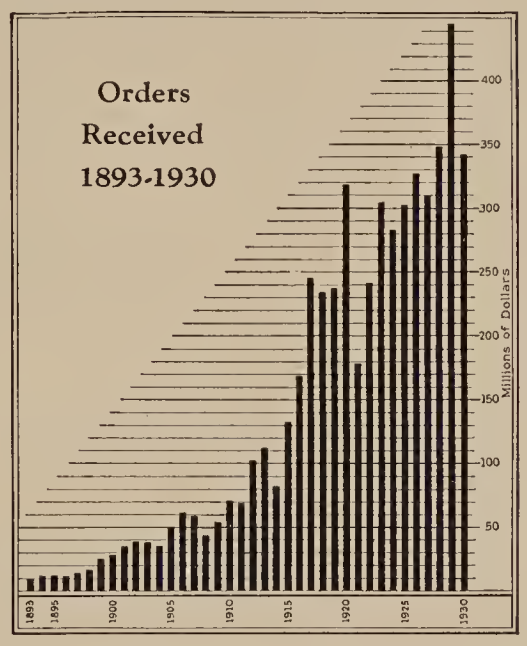
THE annual report of the Company for 1930 reflects the general business decline from the previous year of extraordinary activity. The decrease in orders received emphasizes the necessity for retrenchment in all departments. The report also features a summary of the activities of the Company in insuring peace of mind to its employees, and protecting them during periods of depression.

The orders received during 1930 were $341,820,312, compared with $445,802,519 in the year 1929, a decrease of 23 per cent. Unfilled orders at the end of the year were $56,062,000, compared with $94,-623,000 at the end of 1929, a decrease of 41 per cent. The essential soundness of the Company's business is shown, however, by the fact that the orders received during 1930 were but 2 per cent under those received in 1928, notwithstanding the transfer of the radio set and tube business to the Radio Corporation of America as of Jan. 1, 1930. As a result of this transfer, the 1930 orders received, unfilled orders, sales billed, and net income from sales shown in the comparative statement of income and expenses on page 3, do not include radio sets and tubes, except the General Electric radios which were introduced to the public during the latter part of the year.

Sales billed to customers during 1930 were $376,167,428.42, compared with $415,338,094.39 for 1929, a decrease of almost 10 per cent. Net income from sales was $40,450,261.31 as compared with $49,395.896.98, a decrease of over 18 per cent.

Adding to this the income from other sources, including associated companies and miscellaneous securities, interest and discount, U. S. Government securities, royalties and sundry revenue, and deducting interest payments and addition to general reserve, leaves profit available for dividends of $57,490,-915.26, compared with $67,289,-880.40, a decrease of 15 per cent.

The Company's manufacturing plant investment at the end of the year had a cost value of $198,303,-962.66, but deducting $152,436,-033,08, the net book value was $45,867,929.58, or $3,368,359.18 less than in 1929.



The largest single project in plant improvement was the expansion of facilities for the production of fractional horsepower motors at the Fort Wayne Works. Substantial expenditures were made, as in the past, to provide additional capacity where needed, and to replace worn out and obsolete equipment.

A new club house for employees at Schenectady was completed and dedicated during the year. This club house contains almost 40,000 square feet of floor space and is equipped with modern facilities for education and recreation, including library, assembly hall, gymnasium, bowling alleys, billiard room, etc.

The decrease in the net book value of manufacturing plants was largely the result of the transfer to the Radio Corporation, of land, buildings and equipment used in the production of radio sets and tubes.

Associated Companies and Miscellaneous Securities

Investments in associated companies and miscellaneous securities have been appraised and are carried at a net valuation of $204,810,-328.13, compared with $183,778,-636.76 at the end of 1929. These amounts include advances to associated companies as well as securities, since a large part of the advances are required permanently in the business.

The interest and dividends received from associated companies and miscellaneous securities amounted to $13,453,654.25, which is 6.9 per cent of the average value which these investments were carried at the beginning and end of the year. This compares with 6.6 per cent return in 1929.

If the associated companies had distributed as dividends all their earnings for the year 1930, the Company's "Income from other sources" would have been increased by an amount approximately equivalent to 27 cents per share of the common stock of the Company outstanding at Dec. 31, 1930. This compares with 43 cents per share for the year 1929 on the present number of shares.

Foreign Business: The Canadian General Electric Co., Ltd., reported net profit for the year 1930 amounting to $3,765,797.55, compared with $4,428,884.94 for 1929. The dividends received by our Company are included in the "statement of income and expenses" as part of "Income from associated companies and miscellaneous securities."

The export and foreign business of the Company outside of Canada is conducted by the International General Electric Co., Inc., and in 1930 yielded a profit available for dividends of $1,519,198.52, compared with $1,708,064.14 in 1929. The dividends received by our Company are also included in the "Statement of income and expenses" as part of "Income from associated companies and miscellaneous securities."

Continuing the Company's policy of participating in the development of the electrical industry by the leading companies throughout the world, additional advances were made to the International Company

for further expansion, the more important investments being in Germany. These investments in foreign countries place the International Company (and therefore our Company) in contact with electrical research and developments throughout the world, and afford those foreign manufacturing and selling companies in which it is interested, and with which it has contractual relations, the opportunity of utilizing the results of the research, development, and experience of the General Electric Company.

Manufacturing Companies: Since the formation of the Radio Corporation of America, the Company has had a contract covering the manufacture of a large part of the Radio Corporation's requirements of radio sets and tubes and other radio equipment, and the Radio Corporation has had exclusive selling rights under patents resulting from inventions made in the Company's laboratories and elsewhere. On Jan. 1, 1930, the plan for consolidating the research, engineering, manufacturing and selling of radio receiving sets and tubes in one administrative entity, was consummated. As a result, the Company transferred to the Radio Corporation the radio receiving set and tube business, and manufacturing equipment, and the Company's interest in the subsidiary companies of the Radio Corporation, for which the Company received in exchange 3,948,225 shares of common stock of the Radio Corporation.

Miscellaneous Companies: The General Electric Realty Corporation was formed in 1930 to take over the real properties of the Company, other than active manufacturing plants, and land held for future growth of such plants. These properties consisted of warehouses, service shops, office buildings, dwellings, idle factories, vacant land, and mortgages on properties which had been sold. The Company owns all the stock of this Corporation.

Stockholders

On Dec. 19, 1930, there were 116,750 holders of common and special stock, and half of this number (exclusive of corporations, institutions, etc.) consisted of women. This compares with 60,374 on Dec. 16, 1929, an increase of 56,376 or 93 per cent.

Employees and Payrolls

The average number of employees of the Company during 1930, not including those of associated companies was 78,380, compared with 87,933 in 1929. Total earnings of these employees amounted to $140,905,000 in 1930 and $163,090,000 in 1929. Average annual earnings per employee were $1798 and $1855 respectively, a decrease of 3.1 per cent. The cost of living, according to the index of the National Industrial Conference Board, decreased 4.4 per cent in 1930 compared with 1929.

Compared with the year 1923, average annual earnings of employees in 1930 increased 12 per cent, and the cost of living decreased 4.4 per cent.

The payment of supplementary and extra compensation to employees was continued in accordance with the Company's long established practice.

Various Employee Plans

In this section of the report, President Swope discusses Group Life and Disability Insurance, Home Ownership, the G.E. Employees Securities Corp., the Pen-

Condensed Balance Sheet

December 31, 1930 and 1929

Assets

	1930	1929
Fixed investments:		
Manufacturing plants at cost, including land, buildings, and machinery	$198,303,962.66	$209,533,453.79
Less: General plant reserve and depreciation	152,436,033.08	160,297,165.03
	$ 45,867,929.58	$ 49,236,288.76
Other property	252,609.47	2,506,064.12
Furniture and appliances (other than in factories)	1.00	1.00
Patents	1.00	1.00
Total fixed investments	$ 46,120,541.05	$ 51,742,354.88
Associated companies and miscellaneous securities	204,810,328.13	183,778,636.76
Current assets:		
Inventories	60,063,418.56	80,835,545.38
Installation work in progress	16,229,589.20	20,888,797.73
Notes and accounts receivable	41,676,727.47	54,567,916.91
U.S. Government securities		59,331,900.00
Cash	141,717,851.25	64,371,069.01
	$259,687,586.48	$279,995,229.03
Less: Advance payments on contracts	17,123,037.38	24,119,222.25
Total current assets	$242,564,549.10	$255,876,006.78
Deferred charges	476,403.83	260,018.36
	$493,971,822.11	$491,657,016.78

Liabilities and Capital

	1930	1929
3½% Debenture bonds due 1942	$ 2,047,000.00	$ 2,047,000.00
Current liabilities:		
Accounts payable	18,415,404.49	23,232,441.10
Accrued taxes, federal and other	10,006,750.16	15,523,765.01
Dividends payable	12,181,296.35	11,460,166.35
Total current liabilities	$ 40,603,451.00	$ 50,216,372.46
Reserves for self-insurance, workmen's compensation, etc.	7,974,385.38	7,533,887.33
Charles A. Coffin Foundation	400,000.00	400,000.00
General reserve:		
At January 1st	37,042,194.65	33,960,905.01
Added during year from income	2,721,470.03	3,081,289.64
Total general reserve	$ 39,763,664.68	$ 37,042,194.65
Special stock:		
Authorized 5,500,000 shares, par value $10; issued 4,292,963½ shares	42,929,635.00	42,929,635.00
Common stock and surplus:		
Common stock (authorized 29,600,000 shares no par value; issued 28,845,927 36/100 shares)	180,287,046.00	180,287,046.00
Surplus at January 1st	171,200,881.34	132,674,652.28
Direct credits to surplus		13,471,402.11
Surplus for the year	8,765,758.71	25,054,826.95
Total common stock and surplus	$360,253,686.05	$351,487,927.34
	$493,971,822.11	$491,657,016.78

sion Plans and the Unemployment Pension Plan in a manner similar to that in his radio speech on these plans reported in the Jan. 16 issues of the WORKS NEWS.

By way of introduction, President Swope says, "For many years the General Electric Company has been making constant endeavors, each one a step in a comprehensive program, toward removing fear of the future from the minds of the employees—that is, the constant fear of being unable to provide for those dependent upon them. . . ."

Group Life and Disability Insurance: The death and disability benefits paid during 1930 amounted to $1,175,310, of which $408,310 was free insurance provided by the Company, and $767,000 was additional insurance paid for by the employees. Since the inauguration of the first plan in 1920, $6,780,369 has been paid in death benefits to the families of 3277 deceased employees, or in disability payments to 366 employees. At the close of 1930, approximately 67,000 employees were insured for $75,000,000 under the free policy and for $102,000,000 under the additional plan, or a total of $177,000,000.

Home Ownership: During 1930, 321 homes, having a value of $2,242,000 were financed. In the last seven years, 2562 homes, representing a value of about $19,000,000 have been acquired or built by employees. Payments of upwards of $7,000,000 have been made on these homes, the balance being held in the form of first and second mortgages by regular financial institutions.

G.E. Employees Securities Corporation: Approximately 36,500 employees (of whom 98.4 receive less than $6000 per year) own or are paying for bonds having a total value of $40,430,080. The annual report of the Corporation appears in this issue of the WORKS NEWS.

Pension Plans: In 1930, Company pensions, amounting to $903,905 were paid to 1386 retired employees. A detailed report of the Pension Plan will appear in the next issue of the WORKS NEWS.

G.E. Employees Unemployment Pension Plan: This Plan is reviewed as announced and discussed in the WORKS NEWS during the year.

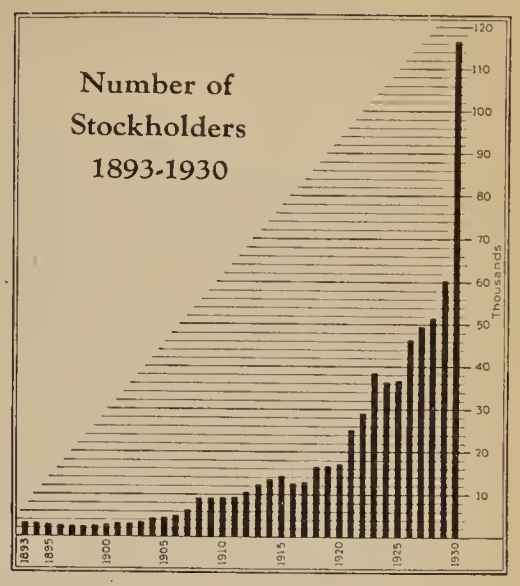
Suggestion System

"There Is Always a Better Way"

Response from employees during 1930 again exceeded all past records. The number of suggestions received from factory employees was 29,919 or 536 per thousand of eligible employees, and 32.1 per cent of those received were adopted, for which awards of $94,091 were made. A detailed report on the Suggestion System appears in this issue.

Charles A. Coffin Foundation

When the Board of Directors created the Charles A. Coffin Foundation in 1922, it was announced that the Foundation was formed "as an expression of appreciation of Mr. Coffin's great work



not only for the General Electric Company, but also for the entire electrical industry and with the desire to make this appreciation enduring and constructive, as Mr. Coffin's life and work have been."

During 1930, the Foundation awarded medals to two corporations, and certificates of merit, together with honorariums in cash, to a group of G-E employees, which awards have been previously reported in the WORKS NEWS. In addition, the Foundation granted fellowships to eight graduates of American universities who desired to carry on post-graduate research work, and who needed and were found worthy of assistance.

Copies of the report will be available after March 27 and employees may obtain them at the office of the Secretary of the Company.

Comparative Statement of Income and Expenses

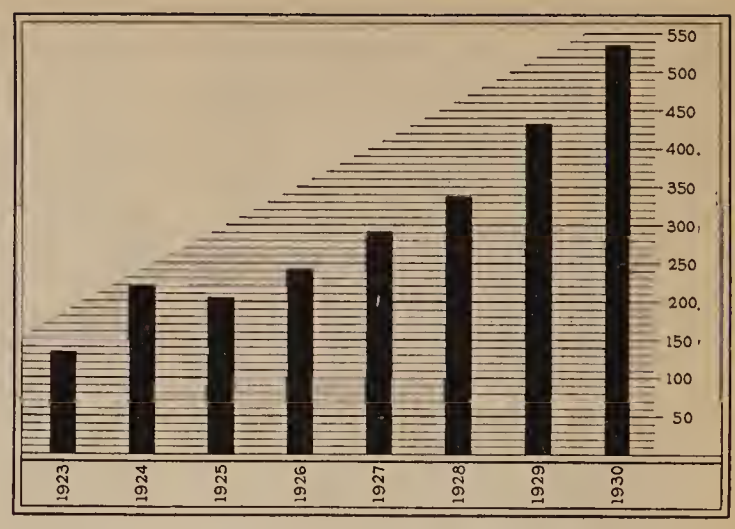
	1930	1929
Net sales billed	$376,167,428.42	$415,338,094.39
Less: Cost of sales, including operating, maintenance, and depreciation charges, reserves and provision for all taxes	335,717,167.11	365,942,197.41
Net income from sales	$ 40,450,261.31	$ 49,395,896.98
Income from other sources:		
Associated companies and miscellaneous securities	$ 13,453,654.25	$ 9,681,386.98
Interest and discount	3,258,498.99	3,153,044.41
U.S. Government securities	1,757,715.15	3,929,834.13
Royalties and and sundry revenue	1,605,334.28	4,661,814.07
	$ 20,075,202.67	$ 21,426,079.59
Total income	$ 60,525,463.98	$ 70,821,976.57
Less: Interest payments	$ 313,078.69	$ 450,806.53
Addition to general reserve	2,721,470.03	3,081,289.64
	$ 3,034,548.72	$ 3,532,096.17
Profit available for dividends	$ 57,490,915.26	$ 67,289,880.40
Less: 6% cash dividends on special stock	2,574,952.95	2,574,819.45
Profit available for dividends on common stock	$ 54,915,962.31	$ 64,715,060.95
Less: Regular cash dividends on common stock	46,150,203.60	32,449,285.00
Extra cash dividends on common stock		7,210,949.00
Surplus for the year	$ 8,765,758.71	$ 25,054,826.95

The Safety Contest

THE Inter-Works Accident Reduction Contest for the year 1931 shows some changes in arrangement from last year. New Kensington and York, subdivisions of Bridgeport, are no longer separate units. A new plant, that at Meriden, Conn., formerly the Monowatt Corporation, not having had any accidents during January starts off the contest at the head of Division 1. The standings follow:

DIVISION 1	DIVISION 2
Meriden	*Pittsfield
*West Lynn	ALL PLANTS
*Fort Wayne	*River Works
*Philadelphia	*Schenectady
Bridgeport	Erie
*Bloomfield	Oakland

$94,091 Paid in Suggestion Awards During 1930



Suggestions Received Per Thousand Eligible Employees

A TOTAL of $94,091 was paid on adopted suggestions turned in by G-E employees during the year 1930. There were received 29,919 suggestions last year and of this number, 9618 or 31.2 per cent were adopted. This figure for suggestions received smashes the high mark of 27,991 for 1929 and sets a record that is highly encouraging.

Steadily, since its inception, the suggestion system has grown in popularity among G-E men and women. The past two years have seen an increase of 11,993 or 40 per cent in the number of suggestions received. And so far the field of opportunities for suggestions has scarcely been scratched! In the last eight years, G-E factory employees have received awards of $462,168 in cash or G.E. Employees Securities Corporation bonds. Hundreds of employees have learned that the suggestion system is an excellent means of adding to incomes.

Aside from the actual cash awarded to an individual for his suggestion, there are many benefits which accrue to the workers in the factory through the system. A suggestion makes it possible to reduce manufacturing costs and thus allow the Company to offer lower prices to the customer. These lower prices give us an advantage over our competitors, making it possible for us to secure more orders. More orders means more business, and more business means more and steadier work for the employees in the factory. The system works in an unbroken circle. Then, too, suggestions that have to do with the prevention of accidents yield large returns in health to the suggestor and his co-workers. It pays to suggest.

With the increasing number of new operations and the constant improvement on old operations, the motto of the Suggestion System, "There is Always a Better Way" still stands. And there is no reason why the increases shown in 1931 should not greatly exceed those of 1930. Everyone has ideas for improvements. These ideas should be studied and worked out and handed in to the Suggestion Committee. Many a man has had ideas that he has kept to himself, which if sent to the committee might have resulted in an award.

Let us all try to make 1931 another banner year.

A New Table-model Sunlamp

A NEW type of sunlamp, the Model G table unit, has been announced by the G-E Merchandise Dept. This new lamp is designed to fill the need for a portable, lower-priced unit which may be placed on table or desk. The reflector unit is the same as that used in the Model B floor-type sunlamp, except that it is mounted upon a table-type lamp base finished in statuary bronze. The transformer is contained in a separate portable unit, and may be placed out of sight under the table or desk. A handle is attached to the top of the case to facilitate easy movement of the transformer unit.

The standard G-E type S-1 MAZDA lamp is used in the fixture, which can be adjusted for directing the beam. To eliminate the possibility of wrong connections, a polarity plug is used to connect the lamp with the transformer; a standard plug is used to connect the transformer to the electric lighting circuit. The type S-1 bulb duplicates only those rays of the sun which are beneficial, and it may be used freely if the same precautions are observed as with natural sunlight.


The Table-model Sunlamp

A Summary of the 1930 Suggestion Report by Works

WORKS	NO. SUGGESTIONS RECEIVED		NO. SUGGESTIONS ADOPTED		TOTAL AWARDS		HIGHEST AWARDS	
	1929	1930	1929	1930	1929	1930	1929	1930
Bloomfield	590	512	162	155	$ 2685	$ 2660	$ 205	$ 300
Bridgeport	807	1200	256	352	2780	3410	150	150
Erie	3370	4041	1083	1471	8298	8519	480	430
Fort Wayne	5393	7206	1493	1952	15005	16223	500	350
Oakland	29	55	11	20	70	100	20	10
Philadelphia	3243	4554	799	1352	6597	8910	250	385
Pittsfield	2264	2799	748	948	8575	10620	1000	300
River Works	1805	1499	707	611	6800	5740	500	500
Schenectady	9934	6944	3406	2346	51370	33895	600	1000
West Lynn	556	1109	173	411	2092	4014	300	500
Total	27991	29919	8838	9618	$104272	$94091		

G. E. Employees Securities Corporation

Eighth Annual Report

To the Stockholders and Bondholders of the G. E. Employees Securities Corporation:

THIS has been a trying year for those who have been responsible for the investment of savings. Managers of important investment companies have been forced to report drastic declines in the values of securities owned by their companies. Market values of their own stocks and bonds have correspondingly declined.

It is with the more satisfaction that this financial report of the affairs of your Corporation is presented, showing the same conservative but consistent growth as in the past. Furthermore, no holder of the 6 per cent Debenture bonds has had any trouble in obtaining full value when forced to sell or has had to sit by and witness severe reductions in their worth.

At all times, even when values were at their lowest in December, the market values of the stocks and bonds owned by this Corporation were many millions in excess of what these same securities cost, thus, the margin of safety was at all times substantial.

This fortunate result was possible because the great bulk of the securities were purchased at favorable prices and because a considerable portion were preferred stocks and bonds which are not so subject to violent changes in market value as common stocks. The investments were, as in the past, principally in public utilities. Of course another important factor was the wide diversity of the investments, 126 companies being shown on the list which is attached to this report. These companies operate in practically every state in the Union and a few have interests abroad.

There are over 36,000 employees of the General Electric Company holding bonds of the Corporation—the face value of such bonds being over $40,000,000.

The average holdings by bondholders at Dec. 31 amounted to $1044. The average amount received by the bondholders on their investment during the year was $86.

To the Employees of the General Electric Company:

I have been deeply interested in following the course of the G.E. Employees Securities Corporation throughout the year, and in reading its annual report for the year 1930.

We have been passing through a period which has demonstrated the soundness of the policy making it possible for our employees to invest some $40,000,000 in a type of security which has withstood the unusual depression and come through with an equity back of the bonds in excess of $1.46 for every $1 invested by the bondholders. Moreover, the bondholders have enjoyed a high rate of interest, and never had to worry about the safety of their investment, and they can redeem their bonds at cost at any time.

The employee bondholders have no doubt been told by their representatives on the Board of Directors of the painstaking care and attention given to their affairs by the officers of the Corporation, and join with me in admiration of the splendid job they have done during this trying period, and in offering our best wishes for a continuance of this efficient administration.

Gerard Swope, *President.*

The bondholders (including the General Electric Additional Pension Trust) received a total of $2,958,674 in interest, bringing the total interest payments since the Corporation's organization to $15,779,768. These amounts include the additional 2 per cent paid by the General Electric Company.

The funds so far contributed by employees to the Additional Pension Plan have been invested in bonds of the G. E. Employees Securities Corporation.

Various securities were sold during the year, from which a profit of $1,700,000 was realized. This was added, according to customary practice, to the reserve against possible losses, which now amounts to the substantial sum of $8,419,635.

Disregarding the excess of market values over cost values of securities owned, the margin of safety back of the bonds of this Corporation has again shown an increase. Adding the reserve against losses to surplus and to capital paid in by the General Electric Company, gives a total of $18,661,450 which means in effect that there is $1.46 of asset value for every dollar the bondholders have invested as compared with $1.43 for each dollar so invested at the close of 1929.

The net income, which does not include profit on sale of securities, increased 27 per cent and was sufficient to pay the 6 per cent interest on all issued bonds one and seven-tenths times.

This Corporation continues to be the largest individual holder of General Electric common stock, owning over 500,000 shares or close to 2 per cent of all common shares issued by that Company. However, the investment in preferred stocks of public utility companies, which amounted at cost value to $37,000,000, is still the greatest.

Accompanying the financial statement is the usual certification of the accountants who have examined the books, and also a list of the public utility companies whose securities your Corporation owned on Dec. 31, 1930.

The Board of Directors and Representatives of the bondholders during the past year consisted of the following:

Richard S. Baggs	G. F. Morrison
C. C. Chesney	L. S. Mugford
C. P. Hamilton	William A. Murphy
Edwin Kalmbacher	D. E. Peck
F. J. Kohler	B. G. Tremaine
J. R. Lovejoy	H. C. Wellington
C. N. Mason	S. L. Whitestone
Chester W. Matthews	Harold Whittle

Harry E. Zimmerman

Respectfully submitted,

J. R. Lovejoy, *Chairman*

C. N. Mason, *President*

In addition to holdings in stock of the General Electric Company and International General Electric Company, the G. E. Securities Corporation owns securities in the following public utility companies:

American Cities Power & Light Corp., American & Foreign Power Co., Inc., American Electric Power Corp., American Gas & Electric Co., American Power & Light Co., American Public Service Co., American Superpower Corp., American Telephone & Telegraph Co., Appalachian Electric Power Co., Appalachian Power Co., Arizona Edison Co., Arkansas Power & Light Co., Associated Gas & Electric Co., Berlin City Electric Co., Inc., Buffalo, Niagara & Eastern Power Corp., Central Gas & Electric Co., Central Illinois Light Co., Central Illinois Public Service Co., Central Power & Light Co., Central Public Service Corp., Central & Southwest Utilities Co., Central States Electric Corp., Central Vermont Public Service Co., Chicago City Railway Co., Cities Service Co., Cities Service Power & Light Co., Columbia Gas & Electric Corp., Commonwealth Edison Co., Commonwealth & Southern Corp., Commonwealth Edison Co., Community Power & Light Co., Consolidated Gas Co., of New York, Consolidated Gas, Electric Light & Power Co., Consumers Power Co., Continental Gas & Electric Corp., Detroit Edison Co., Edison Electric Illuminating Co. of Boston, Electric Bond & Share Co., Electric Power & Light Corp., Electric Public Utilities Co., Empire District Electric Co., Empire Power Corp., Engineers Public Service Co., Florida Power Corp., Florida Power & Light Co., General Gas & Electric Corp., Georgia Power Co., Green Mountain Power Corp., Gulf States Utilities Co., Illinois Northern Utilities Co., Illinois Power & Light Corp., Insull Utility Investments, Inc., Intercontinents Power Co., International Paper & Power Co., International Power Securities Corp., Islands Gas & Electric Co., Italian Superpower Corp., Jersey Central Power & Light Co., Kansas Gas & Electric Co., Kentucky Securities Corp., Key West Electric Co., Long Island Lighting Co., Los Angeles Gas & Electric Corp., Louisiana Power & Light Co., Louisville Gas & Electric Co., Massachusetts Utilities Associates, Middle West Utilities Co., Midland United Co., Midland Utilities Co., Minnesota Power & Light Co., Mississippi Power & Light Co., Mountain States Power Co., National Power & Light Co., National Public Service Corp., New England Power Association, New England Power Co., New England Public Service Co., New York Central Electric Corp., N. Y., N. H. & Hartford Railroad Co., New York Power & Light Corp., New York & Richmond Gas Co., North American Co., North American Edison Co., North Boston Lighting Properties, North West Utilities Co., Northern Indiana Public Service Co., Northern New York Utilities, Inc., Northern States Power Co., Northwestern Public Service Co., Ohio Edison Co., Pacific Gas & Electric Co., Peoples Light & Power Corp., Philadelphia Electric Power Co., Philadelphia Rapid Transit Co., Piedmont Hydro-Electric Co., Portland Electric Power Co., Potomac Edison Co., Public Service Corp. of New Jersey, Public Service Co. of Northern Illinois, Public Service Co. of Oklahoma, Puget Sound Power & Light Co., San Joaquin Light & Power Corp., Savannah Electric & Power Corp., Seaboard Public Service Co., Sierra Pacific Electric Co., Southeastern Power & Light Co., Southeastern California Edison Co., Southwestern Gas & Electric Co., Standard Gas & Electric Co., Standard Power & Light Co., Stone & Webster, Inc., Swiss-American Electric Co., Tennessee Electric Power Co., Texas Electric Railway, Texas Power Corp., Tokyo Electric Light Co., Ltd., United Corporation, United Gas Corp., United Light & Power Co., United Light & Railways Co., United Public Utilities Co., United Utilities & Service Corp., West Penn Power Co., Western Power Corp.

Statement of G.E. Employees Securities Corporation

Balance Sheet
As at December 31, 1930

Assets

Investment Securities, at Cost	$62,135,671.89
Accrued Interest on Securities	144,910.70
Cash on Deposit	1,066,547.45
Accounts Receivable	23,084.88
	$63,370,214.92

Liabilities

G.E. Employees Debentures — 6% — due February 1, 1973:		
Authorized	$60,000,000.00	
Issued		$40,235,320.00
Accrued Interest thereon		201,176.60
Installment collections on Bond Subscriptions plus accrued interest		143,469.28
Bondholders Accumulated Interest and Accumulated Compensation plus accrued interest		491,616.43
General Electric Company—Deposit Accounts		3,225,000.00
General Electric Company Unemployment Pension Plan Trust—Deposits		350,000.00
Sundry Charges Accrued		62,173.01
Reserve for Possible Losses on Securities		8,419,634.65
Capital Stock and Surplus:		
Authorized, 80,000 shares of No Par Value		
Issued, 56,000 shares:		
Paid-in Capital		7,000,000.00
Surplus—Earned		3,241,824.95
		$63,370,214.92

Contingent Liabilities—None ascertained.

Income Account
For the Year Ended December 31, 1930

Income:		
Dividends on Stock Owned		$3,841,918.75
Interest on Bonds and Other Securities Owned		419,139.88
Interest on Bank Deposits and Other Interest		40,915.83
		$4,301,974.46
Less: General Expenses		184,851.11
		$4,117,123.35
Interest:		
On G.E. Employees Debentures—6%	$2,249,843.69	
On Installment Collections	124,873.18	
On General Electric Company Deposit Accounts	87,824.53	
Other Interest	15,586.37	2,478,127.77
Net Income		$1,638,995.58

Surplus Account
For the Year Ended December 31, 1930

Surplus at January 1, 1930	$2,162,829.37
Net Income for the Year ended December 31, 1930	1,638,995.58
	$3,801,824.95
Less Dividends Paid	560,000.00
Surplus at December 31, 1930	$3,241,824.95

To the Board of Directors of the G. E. Employees Securities Corporation

We have examined the books and accounts of the G.E. Employees Securities Corporation for the year ended December 31, 1930. The attached Balance Sheet and Income Account have been prepared therefrom and, in our opinion, present the financial position of the Corporation at December 31, 1930, and the result of its operation for the year.

The investment securities are stated at cost which is less than their aggregate market value at December, 31, 1930.

New York, N. Y., March 9, 1931. Peat, Marwick, Mitchell and Co.

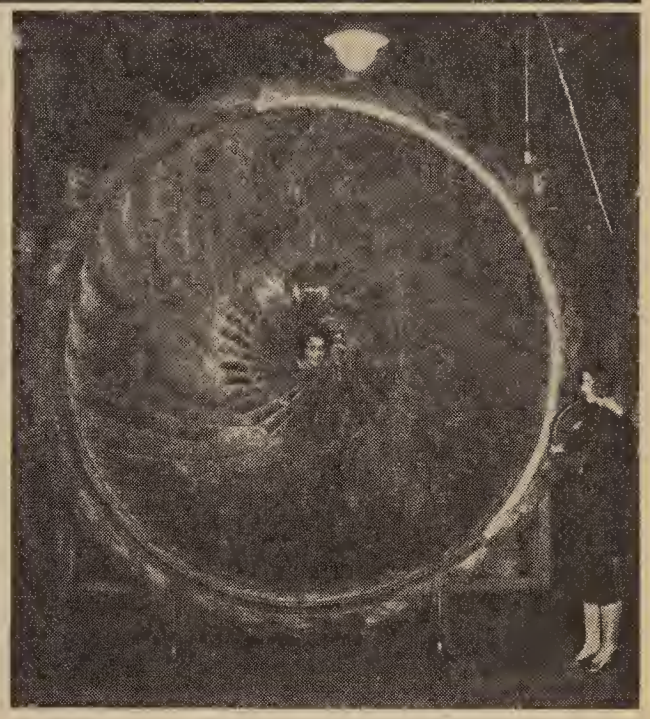
Here and There With the G-E Photographer



Abagail Parecis, a full-blooded Indian girl and a native of Brazil was the guest artist on a special Brazilian program broadcast recently by WGY and W2XAF, the G-E radio stations at Schenectady



A view of the Theatro Pedro II, Ribeirao Preto, State of Sao Paulo, Brazil, as it appears at night under six G-E floodlighting projectors mounted on ornamental standards

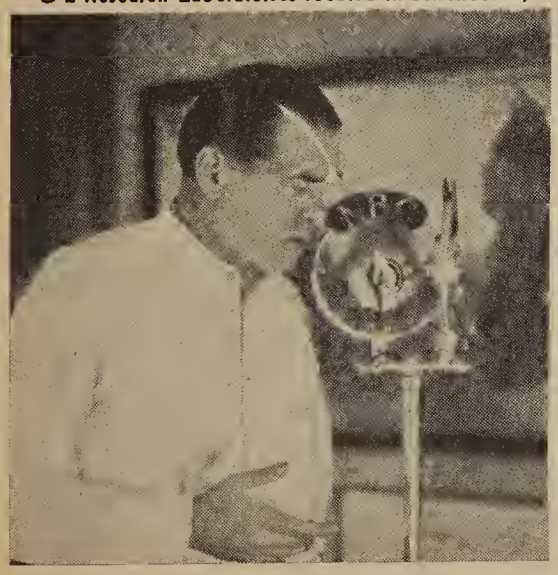


This giant iris developed in the G-E Illuminating Engineering Laboratories is used in the measuring of light output. The cameraman, through one of his tricks, has made the same young lady appear twice in the photograph



The Syracuse University Andean Expedition. A special G-E radio receiving set will enable the explorers in Venezuela to hear messages sent to them over W2XAF, the short wave station in Schenectady

A radio celebrity at the microphone. Floyd Gibbons telling radio listeners about the House of Magic at the G-E Research Laboratories located in Schenectady





"Palm Beach in Brooklyn." A group of bathers chatting under the rays of G-E sunlamps at the swimming pool of the Hotel St. George

Bonds

An Informal Discussion of This Matter of Having Cake and Eating It

WHETHER I save money or not is nobody's business but my own. Whether I insure my life or not is my business. What I do with my money is my business. I earned it. Nobody gave it to me. You bet your life nobody did. Lay off me. Why all this fuss about insurance and bonds?

But am I so all-fired self-sufficient? Have I no debts that I should pay? Am I so quickly going to forget that for the first dozen years of my life somebody had to take care of me all of the time? I had to be nursed, I had to be fed, I had to be clothed. Precious little did I worry my head as to where food and clothing and shelter came from.

Am I going to let myself forget too that the other end of my life that now seems so far away may call for another dozen of years of car? Am I going to repay my debt to society or loved ones by having somebody else take care of me at that end too? Is that what I mean when I say it's nobody's business but my own?

Logic quickly leads to the conclusion that failure to save means that I am unwilling to play fair with those who went before as well as those who come after. It is enough that a fellow should be a burden during the morning of life. He can't do much about that. But he can prevent being a liability to his family or his friends during the evening of life.

Well I guess it *is* my own business, if for no other reason than to prevent its being somebody else's business later on.

Be Independent

I recently saw George Arliss, that wonderful actor, in "Old English." I was tremendously impressed when Old Age advised Youth not once but repeatedly "Keep your independence, child; keep your independence."

Independence? What is independence? Well, it seems to me that independence is the ability for me to retain and exercise the God-given privilege of having a mind of my own. When I am independent I choose my course instead of being the buffeted victim of circumstances that dictate my very thoughts and moods and movements.

It consists in always being a little ahead, instead of forever and ever scrambling to catch up. The man or woman who saves even a dollar out of his first pay check and uses it as the nucleus of a consistent program has laid a foundation stone of financial and, what is even more, mental independence. The man who starts an equally consistent program of borrowing a dollar or two the day before pay day is shaping for himself a future frame of mind of a hunted animal. In time it will show through.

Often we think of independence as a stage of financial attainment late in life when we may rest on our oars and do nothing if we choose. I prefer to think of it as a continuous growth through life that begins with the first dollar saved and wisely invested and builds up with each dollar added.

We hear often of the desirability of the spirit of adventure in business. What emotion is the most serious drag on the adventurous spirit if not fear? The General Electric Company prefers not to have its men hanging on to their jobs because they are *afraid* of what would happen were that job withdrawn. It prefers to have a payroll of folks who *choose* to work for this company. Fear—false caution—is a powerful factor in substituting the yes-yes habit where initiative and independence of thought are the qualities desired.

Two men apply for a job or are considered for a promotion. One has five hundred dollars invested; the other owes the grocer, the butcher and several of his friends.

How Your Money Grows When Invested in G. E. Employees Securities Corporation Bonds

Years of Saving	WEEKLY SAVINGS FROM EARNINGS				
	$1.00	$2.00	$3.00	$5.00	$10.00 (A)
1	$ 51	$ 102	$ 153	$ 255	$ 500 (B)
2	106	212	319	531	1,000
3	166	332	498	830	1,500
4	230	461	691	1,152	2,000
5	300	601	901	1,502	2,500
6	376	752	1,128	1,879	3,000
7	458	915	1,373	2,288	3,500
8	546	1,092	1,638	2,730	4,000
9	642	1,283	1,925	3,208 (B)	4,500
10	745	1,490	2,235	3,708	5,000
11	857	1,713	2,570	4,208	5,500
12	978	1,955	2,933	4,708	6,000
13	1,108	2,217	3,325	5,208	6,500 (C)
14	1,250	2,500	3,750	5,708	7,000
15	1,403	2,806	4,209	6,208 (C)	7,500
16	1,568	3,137	4,705 (B)	6,708	8,000
17	1,747	3,495	5,205	7,208	8,500
18	1,941	3,882	5,705	7,708	9,000
19	2,151	4,301	6,205 (C)	8,208	9,500
20	2,377	4,754	6,705	8,708	10,000

(A) For 49 weeks necessary to buy bonds (with interest) in even multiples of $50.00.

(B) From this point on, the annual savings from earnings plus the interest on the bonds owned exceeds $500 per year. The excess amount is available for other investments (not shown in the table) and the accumulation in G. E. Employees Securities Corporation bonds, is limited to $500.

(C) From this point on, the interest on the bonds owned exceeds $500. This excess interest and the annual savings from earnings are available for other investment.

Which will have the qualities of eye, of chin, of spine, that impress favorably? Which is on the road to becoming a meek follower, a whiner perhaps, or some day working for the other?

No, independence is not something for old age alone. It is a quality for youth and middle age and comes with having established a reserve whether of a financial nature or in the form of mental growth. There is nothing life a few hundred or a few thousand set aside to make a fellow give himself wholeheartedly and fearlessly to his job.

I am not of that school which believes one should deny himself of all of the good things of life as he goes along. Many of our old-fashioned thrift teachings had their basis too entirely in fear. I believe that there is such a thing as investment in self-respect. But I do not consider it wise to indulge in luxuries the ownership of which would lead to acute embarrassment were I to be deprived of an income for a week or a month. Each man must determine his own balance point, but remember that it is a job for balancing.

You cannot have your cake and eat it, says the old proverb. I prefer to put it that you cannot have *all* of your cake and also eat *all* of it. But you can eat part of it and also keep part of it. Isn't that a pretty good way to handle this cake business?

Only by being fair to myself can I be fair to society. The rewards in independence begin with my first investment and grow with each additional amount that I set aside.

How to Get Five Thousand Dollars

How can I get five thousand dollars? Well, one way is to have an old fruit jar carefully hidden away, into which I will put a given amount at regular periods. Say I put a dollar a week—that's about fifty dollars a year—into the jar. If the jar is big enough, and if I keep it carefully hidden, all I have to do is keep this up for a hundred years and I will have my five thousand. Then I can start on my second five thousand which I have heard is always easier than the first.

But there's a better way. Suppose, instead of putting my money in a fruit jar, which is the most unsafe way of saving money in the world, I am able to find a safe investment that will make my money work for me. Suppose that I could get some way to make my money collect interest at a good rate. Suppose I could get eight per cent on it. I sharpen the old pencil and find that if I put fifty dollars a year in such an investment, I will have my five thousand in thirty years. Well, that's a little more like it.

Now suppose I raise the ante. Suppose I make it a hundred and fifty a year—that's only twelve-fifty a month. Then, *ten* thousand comes knocking at my door at the end of seventeen years asking me to please claim it as my own. And will I claim it!

There are many ways of figuring out a savings program. Maybe the first year or two I can't put as much aside as I can later on. Probably I should plan to put a little more away each succeeding year or two. Of course my living expenses may go up, but over against that fact is the fact that a man who is wise in managing his own affairs is also the kind of man business is looking for to handle bigger responsibilities and will pay accordingly. The company, or the world for that matter, will not have to do any snooping to find such a man. These things show through, I tell you. At any rate I must have a plan. And that plan should call for my putting aside all that I reasonably can from month to month and from year to year.

But how shall I get eight per cent on my money with safety? If you were to go to a hard-boiled banker with this question he would shake his head. "You can't" he'd tell you. Further, he would probably tell you that if he knew where there was such an investment with safety he and his like would buy up all there was to offer. Then, if you were to tell him that you are employed by the General Electric Company and that that company makes an eight per cent investment available to its employees, you would see a smile melt his hard features. "Oh, that's different," he would say, "take all you can get of it."

Try it on a banker some time.

There is an old story of a school teacher who asked each member of her class to name the man he considered the greatest inventor of all time. Each named his choice. One little fellow was slow to answer. Finally the teacher turned to him for his choice. "Well," he replied, "that guy that invented compound interest was no slouch." Especially not if you can get eight per cent.

What a Thousand, or Ten Thousand, Is Good for

Money is of two kinds. One is the spending kind that comes and goes. The other, the kind that is commonly called capital, stays with us and works for us.

A thousand dollars expended for a new automobile, for example, is worth about six hundred and fifty dollars at the end of a year. During the year it calls for additional expenditures if one is to get out of it the enjoyment for which he originally paid out the thousand dollars. This is the come and go—mostly go—classification.

A thousand dollars in a good eight per cent investment represents ten hundred and eighty dollars at the end of the year, and has made no demands for additional cash during the year.

The General Electric Company employee who has saved a thousand dollars has not only a thousand dollars, but eighty dollars a year income for the rest of his days with the company. If he doesn't spend that income for about nine years, even if he doesn't add a single cent out of his earnings, he will have two thousand dollars and an income of one hundred and sixty dollars a year. If he still doesn't spend his interest for another nine years he'll have four thousand dollars and an income of three hundred and twenty dollars a year. And so on. All from putting by a thousand dollars and letting it work for him, assuring, of course, that he reinvests in Employees' Bonds.

Ten or twenty years seems an awfully long time when youth looks forward to it. But, take it from your Uncle Dudley, it's most awfully, awfully short when you look back on it.

What is a thousand dollars good for? Well, can't you remember the time when a carload of lollypops would be just about the right thing to buy with so impressive a sum? Now, of course, you know that this would have been a very unwise expenditure. At a somewhat later period you thought of toys as the most desirable thing to buy—toys that ran when you wound them, toys that made funny and varied noises when you blew on them, toys whose bright colorings pleased the eye. No more jolly investment could have been conceived than to buy out Woolworth's toy department and have it moved lock, stock and barrel to your own home. Now, of course, you know that this, too, would have been a very unwise investment. You're older now—maybe in your twenties. Has it ever occurred to you that many of the things you are today impatient to own will, in the light of another ten years' growth, look almost as permanently unsatisfying as the carload of lollypops or the whole store full of toys? As you grow older you will place a higher and higher value on the things that make for comfort, security, independence.

I don't expect all of you to believe this, but it is a fact that there are people, who, without being miserly, can get the same kind of satisfaction from handling crisp paper certificates representing a thousand dollars or more of real value as others can by standing alongside of a shiny new coupe hot from the factory.

I'm not for being tight, stingy, miserly. On the other hand I don't want to be a fool with my money. I'd rather be some sort of a pan that finally spills over the top than a sieve that can't hold anything. Did you ever try to take a drink of water out of a kitchen strainer? Silly? Well, let me tell you I have seen more than one fellow live his financial life that way. Not for me.

How About Stocks?

How about stocks? Can't a fellow make money faster that way? A large number of people have found out in the past year or two how fast you can *lose* money in stocks. That in itself should be the answer to most of us. Ask any one who has played the stock market for a number of years whether he made more money than if he had invested consistently in eight per cent bonds. In nine cases out of ten, *if he tells you the truth,* he will say no, and in many cases it will be a most regretful no.

Those who talk of their stock market experiences are usually the ones who won. It is easy for their talk to outweigh the silence of those who lose.

Now here's a good rule. It's a home-made one, I believe it's good. When you know the difference between a balance sheet and a trial balance; when you know the significance of the ratio of quick assets to quick liabilities; when you know what "technical position" means and the factors that underlie it; when you know how to evaluate assets; when you know the psychology of the mob and what causes make it move in different directions; when you have a comfortable nest egg laid aside and can afford to lose a considerable portion of what you "invest," and *like it*—then, buy stocks.

It is, of course, possible to get good sound advice on stock investments from persons or organizations who have made careful studies of this form of investment.. Unfortunately, most of the "tips" that one hears of are of the kind that come from some fellow who heard from a friend who has a brother-in-law who is on the "inside" that so-and-so is going to happen. It is a sad experience to see five hundred hard-earned dollars shrink to two hundred in a few weeks' time. Many of the "sure things" have a way of doing just that sort of a thing.

Let G. E. Employees

Securities Corp.

Bonds

Work for You

It's Your Move

Once in a while an employee says, "Oh well, I don't intend to be with the company more than a year or two, why should I bother with bonds?"

Someone reminds me of the fact that girls sometimes take a little different viewpoint on this matter of investments than men do. Their case, they point out, is—well, just a little different. They may not be looking forward to as long a term of employment as the average man. Which is all as it should be. But it seems that this should be an argument in favor of setting a little aside. There is no time when a reserve is more appreciated than when a young couple sets up housekeeping. Further, there is no time when a background of thrift experience could be of greater value.

Whether you intend to be with the company two years or twenty, the company wants you to share this investment privilege. The General Electric Company wants every man and woman who leaves the company to be a better man or woman for having been with it.

Where's the catch? There is no catch. Business is more than a money-making machine. It recognizes a responsibility to society. This responsibility splits three ways—to the stock owners who own the company; to the public who buy its products; and to the people in its employ who build those products.

The Company makes a wonderful investment opportunity available. What are you going to do about it?

Oh yes, we mustn't forget this: Your money in G. E. Employees' Bonds is always there for you when you want it—*all of it.* That's a mouthful. There can be no shrinkage, only growth as the income accumulates. With them, if you let your interest grow, you are always worth a little more today than you were yesterday.

If you have been with the company six months, this investment privilege is yours.

It's your move

This article is reprinted from a booklet issued by the Incandescent Lamp Dept. of the Company.

From Lynn to Palembang

A G-E Employee Travels 14,000 Miles On Company Business



A Native Village in Sumatra, Dutch East Indies

OFTEN, in the interests of the Company, G-E Contract Service men are called upon to travel to the most distant parts of the world. From the frozen north to those sultry countries encircled by the equator, stretch the paths of service which these members of our Company travel. Robert H. Soper, construction foreman, working from the Lynn Works, is no exception. He has seen service in many climates. Recently, however, he was sent to Palembang, Sumatra, Dutch East Indies, to supervise the installation of a 4000-kilowatt turbine-generator set constructed for the Standard Oil Co. of New Jersey's Palembang refinery. A recent letter from Mr. Soper gives an interesting account of his trip to the tropical island.



Leaving Lynn in October, Mr. Soper went to San Francisco where he boarded a liner for the long ocean voyage. The Pacific, in spite of its name, was so unruly that soon after leaving the Golden Gate behind, only the hardy traveler could be found on deck. But the days passed quickly and the ship stopped at Honolulu, giving Mr. Soper a chance to swim at the world-famous Waikiki Beach.

Again, between Honolulu and Japan, the passengers were confined to their cabins as the ship plowed through rough seas whose giant waves broke over the decks and tossed the large ship about like a cork. At Kobe, Japan, a stop was made and the passengers spent a day seeing the sights from jinrickshas. Mr. Soper and his friends visited bazaars, shrines, and tea houses. They also made an interesting visit to a well-known Japanese night restaurant. Before entering they removed their shoes and garbed themselves in sandals and kimonos. Their seats were cushions arranged on the floor around tables only 12 inches high. Holes in the tables attracted their attention and these they found were for charcoal burners over which food was cooked and served hot to the guests by servant girls. There were rooms containing a wide variety of interesting art treasures among which were priceless tapestries, ancient Japanese armor and antique carvings. At midnight the party boarded the ship to cross the Inland Sea of Japan to China.

The Inland Sea is one of the beauty spots of the world. The water, the color of molten sapphires, is hemmed in by terraced mountains, green from the seashore to their very tops. Bamboo houses, surrounded by cherry trees in full bloom, dot the shores and hillsides and lend their beauty to the scene. It was with a sigh of real regret that the passengers



Japanese Boats on the Inland Sea of Japan

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of January, 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
2	Sept. 24	Karl L. Obrecht	23	Mother	Yes	Mother	Yes
12	Jan. 6	Arthur D. Childers	59	Wife	Yes	Wife	Yes
8	Jan. 7	George Moser	29	Father	Yes	Father	Yes
28	Jan. 12	Anton J. Pavlosky	57	Wife	Yes		
21	Jan. 12	John Seifer	49	Son	Yes	Son	Yes
7	Jan. 13	Samuel F. Cooper	65	Wife	Yes	Wife	Yes
21	Jan. 22	Peter Marx	59	Wife	Yes	Wife	Yes
River Works							
14	Dec. 18	Maurice C. Currier	38	Wife	Yes	Wife	Yes
18	Dec. 23	Tozefa Embroska	51	Daughter	Yes		
14	Dec. 27	Stewart E. McGrath	45	Wife	Yes	Wife	Yes
Pittsfield Works							
7	Dec. 29	Seymour J. Decker	37	Wife	Yes	Wife	Yes
6	Dec. 30	James W. Briggs	45	Wife	Yes	Wife	Yes
1	Jan. 2	John B. Lacroix	46	Wife	Yes	Wife	Yes
13	Jan. 14	Dona J. Trottier	42	Wife	Yes	Wife	Yes
13	Jan. 16	Henry W. Zopf	42	Wife	Yes	Wife	Yes
17	Jan. 28	Luigi Testa	46	Wife	Yes	Wife	Yes
Erie Works							
3	Dec. 22	Walter N. Lewis	40			Wife	Yes
Ft. Wayne Works							
28	Dec. 27	Anthony Stark	51	Wife	Yes	Wife	Yes
6	Jan. 11	John Thompson	52	Wife	Yes		
Merchandise Dept.							
5	Jan. 12	Ralph W. Brown	37	Mother	Yes	Mother	Yes
General and District Offices							
25	Jan. 8	Elwood F. McLaughlin	47	Wife	Yes	Wife	Yes
2	Jan. 12	Salvatore A. Coscia	48	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
10	Dec. 25	Carrie Tropman	31	Mother	Yes	Mother	Yes
7	Jan. 19	Anna Gross	35	Sister	Yes	Sister	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
31	Dec. 18	Ernest Messmer	61			Son	Yes
23	Dec. 26	James S. Gray	54	Wife	Yes	Wife	Yes
20	Jan. 6	Wm. H. Farrington	69	Wife	Yes	Wife	Yes
River Works							
21	Jan. 21	Edward E. Fraize	57	Wife	Yes		
38	Jan. 19	Laurent A. Froberger	67			Wife	Yes
West Lynn Works							
36	Jan. 22	Edward Ackeroyd	72			Wife	Yes
34	Jan. 26	John J. Hobson	58	Wife	Yes	Wife	Yes
General Office							
23	Jan. 19	Wm. L. Coughlin	39	Wife	Yes	Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of January, 1931	28	$35,614.65	28	$48,500

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.	Add'l Ins.
Schenectady Works					
17	Jan. 13	George F. Horner	57		Yes
25	Jan. 16	Axel J. Iversen	52		Yes
6	Jan. 22	Antonio S. Sacco	32		Yes
19	Jan. 30	Mariano D'Aloisis	45		Yes
River Works					
24	Jan. 2	Thomas Wheeler	55		Yes
Pittsfield Works					
12	Jan. 23	Patrick H. Flynn	57		Yes
2	Jan. 28	August J. Neil	39		Yes
Incandescent Lamp Dept.					
10	Jan.	Hermenagilde Hamel	39		Yes
Disability Claims Granted January 1931				8	$11,000
Total Death and Disability Claims since Jan. 1, 1920					$6,884,484.20

saw the ship pass through the narrow straits and head for East China.

Three uneventful days and they sailed up the Yangtze River to Shanghai where ships flying the flags of every nation lay at anchor. The Chinese boats were easily distinguishable in the tangle of shipping, for they had huge eyes set in the bows on either side. These eyes are to help the boats to see and to avoid the "water devils" which inhabit the seas and rivers. There is still much superstition in China.

At Shanghai, where Mr. Soper stopped for a few days, he found that the best hotels are luxuriously furnished and three times the size of most hotels in the United States. Each hotel has an extraordinarily large staff of servants for labor is indeed cheap in China. Shanghai, while attractive in the better neighborhoods, is indescribably repulsive in other sections. Numberless beggars, whining for alms, infest the streets.

Hong Kong was the next Chinese city visited and from there Mr. Soper went to Manila. Here he found in a tropical background, old Spanish houses and churches intermixed with modern American architecture.

The next leg of his voyage was south to Singapore where he disembarked to continue his journey inland. In Singapore he found himself amid truly strange surroundings. The jumble of traffic in the streets was amazing. Automobiles, rickshas, and bullock carts crowded each other in the roadways, while Arabs, Pathans, Chinese, Hindus, and Malays, all in their native costumes, lent rainbow variety to the ever-changing stream of pedestrians.

From Singapore he crossed the Malacca Straits to the Meuse River on which Palembang is situated. A dense tropical forest covers this section of the island and as the boat in which he was traveling approached them, huge alligators slid down the river banks into the water, monkeys chattered in the trees, and birds of brilliant plumage flew up on every side. With his arrival at Palembang, Mr. Soper's journey of 14,000 miles came to an end.

GIRLS' SECTION

With the Elex Club

Roller Skating Party

IN spite of the jinx, the roller skating party given by Elex Club for G-E employees and friends at Riverview on Friday, Feb. 13, was a huge success. Approximately 400 people attended and skated away the evening in perfect enjoyment. The Elex Executive Committee has the following statement to make:

"To Dept. Heads and Foremen:

"We wish to express our sincere appreciation for your kind assistance and wholehearted cooperation in making our Roller Skating Party on Feb. 13 a success. The receipts realized from the sale of tickets will be used to help defray expenses of our week-end trip to Potawatomi Inn, June 20 and 21.

Elex Executive Committee."

The Golf Party

A slight change in routine had to be made for the regular meeting of Elex Club on Feb. 17 as the committee had planned a golf party to be held at the Valencia Golf Gardens in the Shrine Temple. Accordingly, the supper came first as usual, with the classes following immediately and then everyone departed for the Valencia Golf Gardens.

A more ideal spot for a party of this sort cannot be imagined. There is the wonderful 18-hole miniature golf course, with sand traps, a brook with little bridges crossing it and other interesting features. Then there are ping-pong, shuffle board and tables for card playing if one does not care for golf. Most of our Elex girls tried their luck on the golf course and altogether this was one of the most enjoyable parties so far this season.

Police Court

The form of entertainment presented at the meeting of Elex Club on March 3 was clever and humorous. The program portrayed a session of Police Court with Irene Meyers as judge; Madolyn Fisher prosecuting attorney; Suzanne Benanti, bailiff; Mary Coles, court reporter, and Mattie Baker and Minnie Fryback officers of the law. The characters brought into court were arrayed in comical garb and kept the courtroom in a hilarious uproar with their testimonies. These characters were Annette Bauman, Grace Phillips, Margaret Nash, Irene Fox, Selma Hoffman, Helen Hall, Evelyn Goddard, Wilma Hohenschutz and Tessie Winefer. This program was put on by the girls employed in Bldg. 21, with the exception of Irene Meyers who works in the Meter Dept. Miss Meyers took the place of Luella Bullerman who was ill and unable to officiate.

Coming Attractions

"Yo ho, Elex Members! Another Roller Skating Party! This time it's to be at Bell's Skating Rink on the Lincoln Highway, east of the city, and the date is March 24. The tickets are 25 cents including the use of skates if bought from Elex Club, but if you don't get your tickets before you arrive at the Rink there will be an extra charge for the use of skates. The party is open to everyone, so bring your boy friends and roll away a happy evening."

As the first meeting in April, *i.e.*, April 7, comes just after Easter the committee has planned a bunny party. For the second meeting, which is April 21, you will surely need an umbrella for there will be "April Showers."

Pat O'Brien Surprised

PAT O'BRIEN, a foreman in the Fractional Horsepower Motor Inspection Dept., Bldg. 4-5, was pleasantly surprised by a group of his co-workers who gathered at his home at 1244 Lexington Ave., on Feb. 19. During the evening the group played games, and prizes were won by Mrs. Gilbert Hammond, Norma Gerke, Raymond Swartzell and Ben Batson. Later in the evening a delicious two course luncheon was served. Mr. O'Brien was presented a golf bag.

Those present: Mr. and Mrs. Ben Kline, Mr. and Mrs. Ben Batson, Mr. and Mrs. Cleon Oyer, Mr. and Mrs. Raymond Swartzell, Mr. and Mrs. Warren Quinn, Mr. and Mrs. Gilbert Hammond, the Misses Helen Fagen, Edna Neeber, Mary Lopshire, Norma Gerke and Messrs. Maxwell Archbold, Bernard Place, Charles Brown and Clarence Reiter.

Girl's Bowling Notes

The G-E Club Girls Bowling team placed sixth in the Women's Central States tournament at Indianapolis on Feb. 22, with a total score of 2439 pins. Celeste Etzler and Erma Lackey, of the team, placed fifth in the doubles with 1078.

Anita Rump, of the G-E Club Girls Bowling team, won first half championship honors in Saul's All-Star Ladies League. Erma Lackey made a strong bid for the title when she made a clean sweep over Lou Klingenberger and caused a tie-up for the lead. Miss Rump and Miss Lackey rolled off the tie, finishing with totals of 566 and 538, respectively. Millie Ruby defeated Dorothy Parker in the other games of the evening.

Weddings

Houser-Roussey

The marriage of Esther Roussey and Leo Houser took place on Feb. 3 at the St. Louis Catholic Church at Besancon. Velma Houser, a sister of the groom attended the bride as bridesmaid and Adrian Roussey, a brother of the bride, was best man. Little Sally Jane Edwards was flower girl and Ralph Schimmele, ringbearer. Robert Keller and Bernard Roussey served as ushers. After the ceremony a wedding dinner was served to the members of the immediate families at the home of the bride's parents, Mr. and Mrs. William Roussey of Monroeville. Mr. and Mrs. Houser are residing at 318 Killea Ave. Mr. Houser is employed at the Winter Street plant and Mrs. Houser was formerly employed in the Radio Transformer Dept., Bldg. 26-2 at the Broadway Plant.

Baumgartner-Jump

Nellie Jump and Charles Edgar Baumgartner were married on Feb. 5

(*Continued on page 15*)



At the Fractional Horsepower Motor Jubilee

Hp. Motor Group Stages Clever Party

THE second annual dinner and jubilee of the superviscry and clerical forces of the Fractional Horsepower Motor Division was held in the north dining room of the Works restaurant on Feb. 26. For weeks before the affair members of the individual manufacturing sections were racking their brains during spare moments to think up clever ideas which could be used by their individual groups.

The feature of these annual get-togethers of the Fractional Hp. Motor group is the contests which they stage. Of course there is a wonderfully fine dinner in which everyone is served alike, but here the similarity ends. Each group must decorate its own table, each group must work out some special scheme of identifying its members in some way to indicate to the kind of motor which they manufacture and each group must have a yell or yells, a special song, and last but not least each group must put on a special stunt. Prizes are awarded for each of these various events and finally there are two grand prizes, one going to the department having the highest total rating in the contests of the evening, while the other must be accepted by the group that finds itself outdone by all other sections.

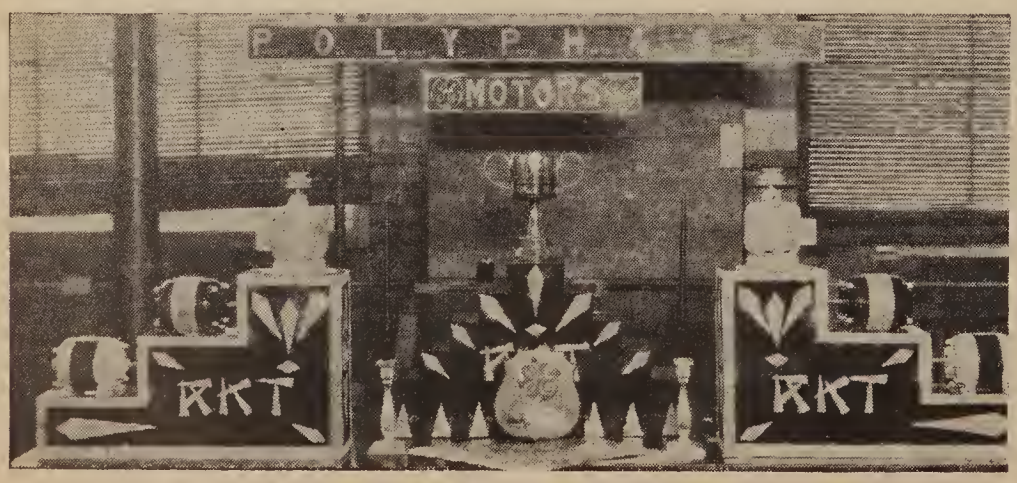
The rules of the game require that these trophies be displayed in the office of the general foreman of the sections winning for all of the ensuing year. From the serving of the dinner at 6:30 until the final ceremony of awarding the "Jonah" prize, there was no lag in the hilarity and the whole evening was a real jubilee for all.

The prize for supreme merit was assembled from suitable motor parts finely burnished and chromium plated making a very attractive trophy in the form of a loving cup. Shields were the prizes for the champions in the individual events. The other trophy, a creation of monumental size, effectively conveys the idea that the department holding it has been duly relegated to the region where all may rest in peace.

The prizes in the contests:

Tables—Bldg. 4-3, C. A. Hartman, general foreman.
Personal Identification—Bldg. 17-2, Vernon Castle, general foreman.
Songs—Bldg. 4-4, F. Korte, general foreman.
Yells—Bldg. 4-1, W. A. Skevington, general foreman.
Stunt—Decatur Branch, E. W. Lankenau, superintendent.
First Prize—Bldg. 4-3, C. A. Hartman, general foreman.
"Disconsolation" Prize—Bldg. 4-2, F. R. Hemrick, general foreman.

Judges in the contest were E. A. Barnes, J. H. Evans, E. J. Graham, C. H. Matson, O. B. Rinehart, C. F. Hitzeman and L. A. Erickson. L. D. Hodell and A. J. Rose acted as masters of the ceremonies. Carl Reynolds' orchestra furnished the music for the occasion.



Bldg. 4-3's Prize Decorations

Bldg. 21 Bowling League Party

(*Continued from page VII*)

means the only one. You should have seen the shuffle-board artists in the persons of Neal Hench, George Waldschmidt, Bill Melching, Ed Witte, Ann Rastetter, Lou Bullerman and Irene Fox. The ping-pong table, too, was kept busy (Lou recommends this game as an aid to reducing).

When the guests first arrived they were told that there was a policeman in the crowd and that they better be on their good behavior. They may have tried to be good, but they couldn't escape the watchful eyes of Patrolmen Neal Hench, Leon Swager and Mart Einsiedel. The charges against these lawbreakers were not made known until near the close of the evening, at which time Her Honor Irene Fox, acting as judge, pronounced their sentences. Can you imagine Mart Einsiedel turning a cartwheel, Grace Phillips doing the spring dance, Bill Melching tap dancing, Suzanne Benanti whistling "Kiss in the Dark," Eddie Harkenrider singing "Old Black Joe," Doc Garton doing an acrobatic dance, Leon Swager blushing for the crowd, and various other sentences too good to mention.

Those present were Dr. and Mrs. Garton, Mr. and Mrs. Melching, and Mary and Dick, Mr. and Mrs. Hockett and son Billy, Mr. and Mrs. Swager and sons, Donald and Billy, Mr. and Mrs. Neal Hench and Jacqueline, Jeanne and Stanley, Mr. and Mrs. Einsiedel, Mr. and Mrs. Ed Witte, Mr. and Mrs. George Waldschmidt and son George Charles, Mr. and Mrs. Carroll Arnold and daughter Evelyn, Helen Hall, Lou Bullerman, Selma Hoffman, Madolyn Fisher, Mary Coles, Grace Phillips, Suzanne Benanti, Betty Law, Evelyn Goddard, Irene Fox, Esther Moll, Ann Rastetter, and Annette Bauman. Those who were absent were Mr. and Mrs. Freeman, Margaret Nash, Pauline Miller, Minnie Fryback, and Butch Vegalues.

The committee in charge of the party was composed of Neal Hench and Annette Bauman.

JUNIORS' PAGE

DEAR G-E JUNIORS:

I know you are all rejoicing that the month of March is here, for even if we do have some cold, windy days we know that very soon the days will be warm and sunny and you will be out flying your kites and picking wild flowers. Spring is in the air, and of course we have a spring picture for a puzzle. In the picture school hours are over for the day and Bob and Sally are out in the meadow flying Bob's new kite. Bob is holding the kite string and Sally is watching it soar high in the breeze. They are beginning to feel hungry and are wondering what they will have for supper. Hidden in the picture are eight things that Bob and Sally like. Can you find them? Look closely at the picture and when you find the eight articles of food write and tell me what they are.

From among the answers I received to the ground-hog puzzle in our February WORKS NEWS I sent prizes to Clara Brinker, Richard Wyss, Gerald Wyss, Paul Everding and Franklin Bly at Fort Wayne, and Robert Lankenau and Johnnie George Waltke at Decatur.

The letters I received were all jolly ones and interesting. They came from Celeste Schwartz, Estella Schwartz, Louise Schwartz, Joe Bahr, Bonnie Steinbacher, Donald Everding, Dorothy Gebhart, Derward Buesching, Margaret Everding, Paul Everding, Eugene Bahr, Raymond Johnson, Arno and Eleanor Schelper, Morris Lee Striggle, Franklin Bly, June Bly, Viola Green, Clara Brinker, Gene Platt, Richard Wyss, Gerald Wyss, Dorothy Wyss, Kathryn Rice, Elmar Devaus and Delores and Virginia Worden at Fort Wayne, and Catherine Murphy, Kenneth W. Nyffeler, Kathryn Kohls, Robert Lankenau, Johnnie George Waltke, Esther L. Fisher, Donald Drake and Richard Jackson at Decatur.

Delores and Virginia Worden sent me the picture of their little sister Mary Jane who will be four years old on May 29. Their father, Harry Worden, works in Bldg. 4-2 at the Broadway Plant. The other picture was sent to me by Richard Jackson. It was taken about five years ago when Richard was only five years old. With him in the picture are his two sisters Clarice and Elva Mae and his brother Marion. Their father, Rolla Jackson, works at the Decatur Plant. We are very glad to have these pictures.

I shall be looking for your letters, so don't forget to write to me.

Yours sincerely,

Jill



The Pussy Willow

Perhaps you may think, because I am buttoned
And folded and wrapped in my little cloak so,
That I always dress this way in all sorts of weather,
With never a frill or a ruffle to show.



Mary Jane Worden

But it's only because I have come out so early
That only Jack Frost and the winds are astir,
They're hard on the dresses, but under my wrappings
Is my pretty new party dress hidden with fur.
You'll see if you come to Miss April's spring party,
It's airy and dainty, a beautiful dress!
Jack Frost's not invited—he's a jolly good playmate
But he's rather too rough for a party, I guess.

—SELECTED

Weddings

(*Continued from page 13*)

by Rev. B. E. Rediger, the ceremony taking place at the parsonage on Beuil Drive. Minnie Dennis and Sherman Wise were the attendants. Mr. and Mrs. Baumgartner are now at home to friends at 2614 Brooklyn Ave. Mrs. Baumgartner is employed in the Fractional Hp. Motor Dept., Bldg. 4-2, and Mr. Baumgartner by the City Decorating Company.



Clarice, Marion, Richard and Elva Mae Jackson

ATHLETICS

G-E Club Basketball Team Has Good Record

THE G-E Club basketball team has played a total of 23 games at the time of writing, winning 16 and losing seven. This is an excellent record considering the class of teams that the club has met both at home and on foreign floors. Of this total, 15 games were played on the local floor and eight on the road. They won four and lost four of these road games, which is another good record. Only three teams, the Cleveland Pennzoils, the Cincinnati Big Four and Olson's Swedes were able to turn the trick on the local floor.

Evard is still leading the G-E squad in scoring with a total of 165 points to his credit, from 64 field goals and 37 free throws. Slack has a total of 141 points from 66 field goals and 9 free throws. Boots has gained on Holmes and replaced him in third place in scoring honors with 115 points to Holmes 113. The individual scoring of the players follows:

	G	FG	FT	Tot.	PF
Evard	23	64	37–48	165	14
Slack	23	66	9–30	141	57
Boots	23	39	37–59	115	50
Holmes	23	46	21–35	113	42
Spahr	22	43	13–34	99	25
Hutchinson	19	15	8–13	38	17
Hamilton	20	15	5– 9	35	16

The season has been really successful from the games won standpoint and fairly so from the financial standpoint. Taking into consideration first business conditions and second the reduction in price from 35 cents to 25 cents, the G-E five has done as well as in other years. This fact is encouraging as is the one that we have been drawing larger crowds at home than on the road.

G-E Club, 35—Olson's Swedes, 21

The G-E Club finally broke the jinx the Terrible Swedes from way out west in Kansas have held over them for three years, by turning back the Nomads by a 35 to 21 count. The two clubs have battled out their contests on pretty even terms each time but the locals just couldn't seem to get enough points to put them over. This time it was different. The Swedes never had a chance. The sharpshooting of Evard, the crack G-E forward, was too much for the Swedes. The diminutive ace of the locals' offense was tossing them in from anywhere on the court during the last period, sinking four baskets and three free throws. George Boots helped swell the total with three baskets and three free tosses. Dutch Richeson was the only threat of the Swedes. He counted five baskets and a pair of free throws, but he was continually bombarding the net and his total wasn't much better than the law of averages would allow him. The game was fast and exceptionally clean. The count at the half was 20 to 15.

G-E Club, 18—South Side Turners, 23

The South Side Turners of Indianapolis took revenge on the G-E Club basket tossers when they got them on their own floor in the capital city. The G-E five got off to a bad start registering only two baskets and a pair of free throws for six points while the Turners were piling up a total of 15. The G-E five came back in the second period to count a total of 15 while the Indianapolis athletes could gather but 8. None of the G-E netters were very effective, Holmes with five points being high score man. Gilmore, former all state guard and Khert divided scoring honors for the home club with three baskets and a pair of free throws each.

G-E Club, 46—Peru Merchants, 31

The G-E Club easily defeated the Peru Merchants in a free scoring contest, featured by a continual rain of tosses at the net. The visitors were mostly high school lads that were good but no match for the experience of the locals. The G-E five were continually slipping away from their guards for easy shots that made the visitors look foolish. Playing Hutchinson's style of game, the G-E forward was right at home and during the second half sank four baskets and a free throw. Slack, however, was high scorer for the evening with six baskets and four free throws. The visitors had a dozen men in uniform, nine of them seeing action. Newhouse and V. Dain each scored four baskets for the visitors. The score at the end of the half was 25 to 15.

G-E Club, 27—Robbins & Myers, 25

The G-E Club basketball squad journeyed to Springfield, Ohio to play the Robbins & Myers quintet of that city. The contest was rather rough and many personal fouls resulted. Thirteen offenses were charged against the G-E five to nine for the Robbins & Myers. The contest was close throughout and it was anybody's game up to the final whistle. The G-E five led at the half 13 to 11. Boots led the scoring with two baskets and three free throws. Slack counted three baskets. Eisle, former Wittenberg College star, was high point man with four baskets and a free throw.

G-E Club, 42—Richmond Cavaliers, 27

The Richmond Cavaliers left their home floor for the first time this season and brought along what they thought was enough basketball talent to turn back the G-E squad. But they sadly underestimated the strength of the locals and the contest developed into a rout in the closing moments. Somewhat awed by the impressive record of victories the Cavaliers have won over nearly all of the teams in the American League the locals were slow in getting started. The score at the half was 17 to 15 in favor of the locals. In the second period Evard, Slack, and Holmes each registered a trio of field goals to swell the increasing margin. Keyser, McCracken and Miller were not with the visitors but Christopher, Rizio and Reeg were regulars and Sponsler, former I. U. guard, added strength to their lineup. The G-E five had one of those nights when the breaks were in their favor. They played good ball in addition and the Cavaliers were hopelessly outclassed. Evard with six baskets and a free throw was high scorer for the evening. Holmes had four baskets and a brace of free throws. Slack had four baskets. Christopher with three baskets and a free throw was high scorer for the visitors.

G-E Club, 32—Robbins & Myers, 18

The G-E five took things pretty easy with the Robbins and Myers five of Springfield in the return game played here Feb. 25. The game was rather rough in spots but had its flashes of good basketball. Evard's six points on free throws made him high scorer. Otherwise the scoring was equally divided. Spahr, Evard and Holmes each scored three baskets. Eisle with two baskets and four free throws was high for the visitors. The score at the end of the half was 14 to 6.

G-E Club Girls' Basketball

G-E Club, 42—Dudlo, 14

The G-E Club girls had little trouble in defeating the Dudlo girls as the Club quintet played a fast brand of ball with accurate basket shooting and good pass work. Vaughn, forward, led the club in scoring with 11 field goals while Ellenwood annexed six more. Stalman, forward, led the Dudlo Quintet with four baskets and two free throws.

G-E Club, 30—Muncie, 15

The Club Quintet defeated the team of the Muncie Steel and Wire Company at Muncie 30 to 15. At the end of the first quarter the score was tied at two all, but at the half was 11 to 5 in favor of the Club. In the last half the Club quintet came back with fast pass work and a strong defense and won out by the score of 30 to 15. Liggett, center for the Club, led her team mates with five field goals and two free throws. Vaughn, forward, scored five goals and Ellenwood forward, scores three goals. Smith, center for the losers, led their scoring with three baskets.

G-E Club 28, Wayne St. M. E. 12

The G-E Club girls defeated the Wayne St. M. E. girls on the latters' floor by the score of 28 to 12, the score at the end of the half being 10 to 15 in the Club's favor. Vaughn and Ellenwood, forwards, led the Club's scoring with seven goals for Vaughn and six for Ellenwood. Enlay led the losers with four baskets.

G-E Club 19, Auburn 26

The G-E Club girls lost a hard fought game to the Auburn High School girls by the score of 26 to 19. The Club quintet was handicapped in its guarding somewhat, and Ellenwood and Vaughn, forwards, had tough luck in hitting the hoop. The score at the half-way was 12 to 10 in favor of Auburn. Vaughn and Ellenwood led the home team with five goals for Vaughn and four for Ellenwood. Refner led for Auburn with six field goals and five free throws.

G-E Club 11, Bryan 25

The G-E Club girls were defeated by the Bryan Ohio Buckeyes in the second game of the season by a score of 25 to 11. The Club was weak on their defense and the score at the half was 17 to 3 in favor of Bryan. Ellenwood led the locals with four goals and one free throw. Vaughn had plenty of attempts at the hoop but failed to connect for any points. Ensign led for Bryan with 10 baskets and three free throws.

G-E Club 14, Auburn High School 19

The G-E Club girls lost a second hard-fought game to Auburn by the score of 19 to 14 with the Club girls somewhat handicapped in playing girls' rules. In this game the score at the end of the half was 11 to 7 in favor of Auburn. Auburn pitched 20 fouls but only made five of them good while the G-E Club girls pitched four fouls and connected with two of them. Ellenwood led the Club with four baskets and two free throws. Williams led the Auburn six with four baskets and one free throw.

G-E Club 29, Marion 25

The G-E Club girls won from the Osborn Paper Co. of Marion, 29 to 25, in one of the best played games of the season. This Marion Club had not been defeated in the last three years, so it was quite an honor for our G-E girls to hand them their first defeat. The game was exceptionally fast and exhibited accurate shooting on the part of both teams. The score at the half was 20 to 12 in favor of the G-E Club girls, but the Marion team came back strong in the last half and tied the score at 25, all with only two minutes to play. Ellenwood then shot two free throws making both of them and Vaughn came through with a field goal as the final gun cracked, making the score: G-E 29, Marion 25. Vaughn led the locals in the scoring with five baskets and two free throws. Ellenwood connected with three goals and three free throws. Smith led the Marion team with six baskets and four free throws.



G-E CLUB GIRLS' BASKETBALL TEAM

Left to right—back row: Esther Moll, manager; Lenora Braden, Ruth Vaughn, Winnie Liggett, Eldon Braden, coach. *Front row:* Opal Wright, Kathryn De Armitt, Lela Reidenbach Ellenwood, Dorothea Swank, Mary Armstrong. (Marcelean Curie not present when picture was taken.)

Inter-Department Basketball League

The Apprentice quintet won the first half title in the Inter-Department basketball league by defeating Winter Street team 29 to 14 in a play-off of a tie for top position in the circuit standings. It was a great game with the green and white clicking on every play while Winter Street fought valiantly to gain an advantage,

Transformer won over the Squares in a game to decide their standing in the second half schedule. Transformer moved to the upper bracket of five teams, playing on Thursday evenings in the G-E Club gymnasium, while the Squares move in with the Monday evening pastimers. This game ended with the score 20 to 13, and it was a hurricane affair while it lasted.

The upper and lower bracket winners met for second half honors on March 19., with the championship game between first and second half winners slated for Monday, March 23.

Batzner, of the Apprentice team, and Lentz of Refrigeration, head the list of high scorers with totals of 61 and 60 for the first half, and most of the teams had at least one player in this list.

A total of 118 individual players participated in the 47 games of the first half schedule.

LEADING SCORES—FIRST HALF SCHEDULE

Player and Team	G	FG	FT	Tot.
Batzner, Apprentice	8	29	3	61
Lentz, Refrigeration	7	29	2	60
Moates, Transformer	10	20	11	51
Oman, Winter St.	6	20	8	48
Arnold, Main Office	8	19	5	43
Soughan, Main Office	7	18	6	42
Dilling, Apprentice	9	17	7	41
Virgil, Refrigeration	8	18	5	41
Shannon, Squares	8	16	8	40
Smith, Meter	9	17	6	40
Schible, Apprentice	8	17	3	37
Smeltzer, Winter St.	8	16	4	36
V. Burnau, Small Motor	7	16	4	36
Crouse, Transformer	10	11	13	35
Michaud, Transformer	9	15	5	35
Fox, Small Motor	7	15	4	34
E. Johnson, Winter St.	10	15	3	33
Pyle, Winter St.	5	14	5	33
Paul, Apprentice	9	13	5	31
Sonner, Meter	5	11	9	31
Chapman, Squares	9	12	6	30
Roe, Small Motor	5	13	4	30

City Industrial Basketball League

Although the Mazda team, representing G-E in the City Industrial circuit, lost to Wayne Knit by a 17-15 score in the play-off of the first half tie standing, their showing in the second half assures a better finish and they should be in the championship series.

Coach Dee Hamilton has added Ed Virgil, of last season's Mazda squad, and Jim Oman, formerly on the G-E Club roster, to his line-up and these players have added the necessary punch to take the remaining scheduled contests.

The league games are attracting a large number of fans to the city high school gymnasiums on Saturday evenings.

G-E Juniors' Basketball

The G-E Juniors have not lost a game in 17 starts here and are trying to better their last season record of one lost game out of 18 played. Considering the class of teams they have defeated the record is remarkable and speaks well for the individual ability and team play developed by the youngsters.

The Juniors have totaled 571 points while holding their opponents to a total of 291 points. A number of the games have been won by top heavy margins,

with only three or four in which the score was uncomfortably close.

The Juniors have played a number of preliminaries to the G-E Club feature games and are very popular with a large majority of the fans.

Individual standings:

INDIVIDUAL STANDINGS

	G	FG	FT	Tot.
Hunt	17	63	29	155
Strouse	17	63	17	143
Florent	15	55	11	121
Richards	15	26	23	75
Trentadue	17	20	13	53
Staight	17	10	2	22
Steiger	4	1	0	2
Totals		238	95	571

Industrial Horseshoe League

Seven teams representing city industrial plants are included in the industrial horseshoe pitching league recently organized at the Broadway courts.

G-E teams have been consistent winners in the loop and now possess the Hertz trophy awarded for three seasons' leadership.

John Blakeley will again manage the G-E representative team.

Inter-Dept. Volleyball

A couple of unavoidable postponements have interfered with the Interdepartment volleyball schedule but the pass and spike boys are again hitting their stride and rivalry is keen among the leaders.

Winter Street stepped into first place when they defeated Transformer three straight games of their match, and Drafting went into a tie for fourth place when they defeated Apprentice two of their three games.

Motors, first half champions, have kept the debit column clear but they are in for some stiff opposition during the next few weeks of schedule play.

Team standings:

TEAM STANDINGS

	W	L	Pct.
Winter St.	12	0	1.000
Motors	9	0	1.000
Refrigeration	6	3	.667
Main Office	4	5	.444
Apprentice	4	8	.333
Drafting	4	8	.333
Transformer	2	10	.167
Meter	1	8	.111

Champions Named in Golden Gloves Tournament

Starting with an entry list of 67 aspiring amateur boxers in the G-E Club, the *Journal Gazette* sponsored Golden Gloves Tournament for three nights of elimination, semi-final and final bouts, attracted capacity crowds to the G-E Club gymnasium, and on the night of the finals several hundred fans were unable to gain admission.

Eight sturdy, courageous scrappers fought their way to championship heights and each was presented with a gold medal by Harry E. Hire, president of the G-E Club, before leaving the ring after the deciding final bout.

These Golden Gloves Champions are:
Wendall Bubp, flyweight
Billy Edwards, bantamweight
Russell Luce, featherweight
Clarence Welch, lightweight
Kenneth Manes, welterweight
Van Jenkins, middleweight
Cooney Tucker, light heavyweight
William Noll, heavyweight.

Six of these are new winners of Golden Gloves laurels. Billy Edwards retained his bantamweight crown won last year, and Clarence Welch graduated from the featherweight ranks, where he won the title last year.

Bob Hosler, popular welterweight winner of last year, fought a highly creditable scrap but was beaten by Kenneth Manes in the best bout of the entire show.

The champions, accompanied by Nick Little, G-E Club instructor, are to compete at Chicago in the tournament sponsored by the *Chicago Tribune*, founder of this amateur glove carnival, and winners there will go to New York to meet similarly selected champions.

Nick Ellenwood, popular local fighter, refereed the first and third cards. Gus Klenke handled the second evening bouts. E. A. Barnes and Herman Atkins were the judges for all of the fights.



GOLDEN GLOVES TOURNAMENT CHAMPIONS

Left to right: Nick Little, Instructor; Kenneth Manes, Russell Luce, Cooney Tucker, Van Jenkins, Billy Edwards, Wendall Bubp, and Clarence Welch. William Noll is not in the picture.

Bldg. 21 League

TEAM STANDING

	W	L	Ave.
Employment	13	11	617
Medical	13	11	613
Industrial Service	13	11	590
Wage Rate	9	15	587

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Einsiedel	24	178	Hench	24	149
Garton	24	174	Swager	24	148
Witte	24	167	Hockett	21	145
Fox	21	165	Bauman	18	144
Melching	24	158	Miller	24	137
Bullerman	24	151	Hoffman	21	134
Freeman	21	150	Nash	18	123
Arnold	24	150	Rastetter	18	121

Apparatus League

	W	L	Pct.	Ave.
Bases	14	7	.666	825
Frames	14	7	.666	803
Brackets	13	8	.619	831
Engineers	13	8	.619	810
D-c. Fields	11	10	.524	793
Print Press	11	10	.524	779
Switchgear	10	11	.476	796
Edge Coils	10	11	.476	795
A-c. Coils	10	11	.476	781
Cost	9	12	.428	800
Test	7	14	.333	778
Armatures	5	16	.238	777

HIGH TEAM SCORE

One Game—Brackets, 971.
Three Games—Brackets, 2643.

HIGH INDIVIDUAL SCORE

One Game—C. Johnson, 266.
Three Games—A. Blomberg, 618.

	G.	Ave.		G.	Ave.
J. Schafer	54	189	C. Barricks	21	158
C. Dicke	35	184	K. McDougal	42	157
A. Blomberg	54	183	G. Telley	51	156
C. Johnson	54	182	O. Johnson	51	156
L. Larenitis	46	181	J. Momper	51	156
E. Reese	54	179	C. Engleman	48	156
W. Hoke	54	178	W. Weikart	54	155
L.Cunningham	51	178	H. Wirick	51	155
H. McAtee	15	177	A. Anderson	15	154
O. Huge	21	176	S. Head	48	153
J. Laisure	50	175	J. Henry	54	152
C. Zeig	51	172	F. Brown	21	151
V. Blomberg	18	171	E. Koch	54	150
E. Zollinger	54	170	W. Wehrs	51	150
H. Borchett	54	169	C. Strodel	45	147
W. Starke	36	168	J. Yates	21	147
G. Plaisted	51	168	P. Scotten	54	146
A. Braun	54	167	N. Prince	47	146
L. Wallace	54	167	E. Braun	51	145
J. Crowe	54	166	T. Koorsen	47	145
I. Kellogg	54	165	R. Smith	51	143
G. Kaade	50	164	H. Hickman	54	141
L. Patton	48	163	F. Cooper	48	141
W. Hoelle	39	162	H. Mueh'b'ck	51	140
B. Bushong	51	161	C. Enslen	48	139
C. Moffatt	51	160	E. Downie	21	139
A. Ulmer	54	160	P. Bohn	21	136
W.Whonsettler	54	158	J. Rogers	39	132
C. Foultz	54	158	C. Brenner	52	128
M. Evers	54	158	W.Kellerm'er	18	120

Foremen's Association League

TEAM STANDING

	W	L	Pct.	Ave.
Small Motor	5	1	.833	885
Duplex	5	1	.833	885
Fire Dept. Hose	4	2	.667	886
Meter	4	2	.667	882
Refrigeration	3	3	.500	870
Tool Supply	3	3	.500	873
Insp. and Test	3	3	.500	872
Water Cooler	3	3	.500	868
Transformer	2	4	.333	869
General Service	2	4	.333	847
Fire Dept. Nozzle	2	4	.333	832
Wire and Insul.	0	6	.000	834

HIGH TEAM SCORE

One Game—Fire Dept. Hose, 975.
Three Games—Fire Dept. Hose, 2787.

INDIVIDUAL AVERAGE

	G.	Ave.		G.	Ave.
Harkenrider	69	192	Bobay	66	156
Buuck	66	185	Herney	72	156
Grimme	66	178	Kabisch	57	155
Haberkorn	21	178	Thiele	72	155

	G.	Ave.		G.	Ave.
Foellinger	69	174	Eylenberg	3	155
Tobias	51	174	Hire	48	154
Bell	21	174	Aumann	63	151
Bennigan	63	174	Mueller	54	151
Boyce	60	172	Kissinger	69	151
Bunting	66	169	Sivits	69	151
Long	39	169	Platt	72	150
Szink	72	169	Wiedelman	57	149
Prince	69	168	Kammeyer	63	149
Schwartz	72	166	Hart	72	149
App	69	165	Meyers	72	148
Kelsey	63	165	Glusenkamp	63	148
Walt	51	164	McAtee	72	147
Franke	3	164	Harrigan	69	144
Nahrwold	69	163	Hoffman, F.	27	144
Garihan	66	163	Kruge	60	144
Holloway	69	163	Gollmer	57	141
Skevington	69	162	Steinbacker	36	140
Hoffman, R.	45	161	Anderson	51	137
Rockhill	63	160	Knocke	57	136
Schild	60	160	Tuttle	72	135
Hermely	66	159	Simpson	51	129
Schafenacker	69	158	Banks	54	129
Weitzman	63	157	Sordelet	39	125
Hall	63	157	Schwartzkopf	72	124
Bienz	72	157	Wolf	30	106

Meter League

TEAM STANDING

	W	L	Pct.	Ave.
Covers	3	0	1.000	905
Registers	3	0	1.000	865
Gears	3	0	1.000	864
Bases	2	1	.667	920
Jewels	2	1	.667	870
Terminals	2	1	.667	854
Leads	1	2	.333	872
Elements	1	2	.333	855
Magnets	1	2	.333	848
Pivots	0	3	.000	829
Seals	0	3	.000	799
Discs	0	3	.000	790

HIGH INDIVIDUAL SCORE

One Game—Mettler, 235.
Three Games—Bushing, 642.

HIGH TEAM SCORE

One Game—Bases, 1044.
Three Games—Bases, 2761.

INDIVIDUAL AVERAGE

	G.	Ave.		G.	Ave.
Jackson	69	199	Geisler	69	166
Stewart	57	197	Sexton	69	165
Knoll	63	194	Witherow	54	165
C. Rump	60	190	Didier	63	165
Bushing	69	184	Schafenacker	69	164
Dryer	66	182	Bauer	51	162
Kammeyer	69	182	Beitel	69	161
Allen	21	181	Castor	63	161
Lawrence	69	180	Molthan	60	160
Hueber	60	180	Fisher	66	160
Erne	63	179	George	69	159
Reitdorf	66	178	Payton	66	159
Jacobs	66	177	Spade	66	158
Nieman	69	177	Steup	69	158
Weick	54	177	Laubenstein	66	158
V. Rump	66	177	Eylenberg	69	156
Thompson	27	177	Sordelet	69	156
Snyder	69	176	Winstel	57	155
Voorhees	42	176	Schwalm	69	154
Schwartz	69	175	Hermely	60	154
Haberkorn	63	174	F. Kammeyer	57	154
Heine	57	174	R. Kammeyer	69	151
Knock	63	174	Koehlinger	69	149
Greek	66	172	Moellering	69	149
Evans	51	171	McCoy	69	147
Luessenhop	36	171	Payne	69	142
Schoenlein	65	169	Ridgley	3	141
Wood	33	168	Adams	63	140
Mettler	54	167	Hambrock	3	138
Johnson	69	167	Freehill	69	136

Office League

TEAM STANDING

	W	L	Pct.	Ave.
G-E Squares	18	9	.667	789
Material List	14	13	.519	805
Club Orchestra	14	13	.519	740
Fractional Hp. Sales	13	14	.481	728
Plant Construction	12	15	.444	790
Accounting	10	17	.370	847

HIGH TEAM SCORE

One Game—Material List, 1047.
Three Games—Accounting, 2773.

HIGH INDIVIDUAL SCORE

One Game—H. Koch, 254.
Three Games—H. Koch, 682.

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
H. Koch	53	190	J. Hawk	36	152
R. Roeger	57	177	O. Blankb'k'r	57	151
E. Waldschm't	53	174	H. Reinking	57	150
L. Hemphill	56	173	A. Weisenb'g'r	57	150
G. Waldschm't	57	172	J. Yarian	57	149
P. Dannecker	57	170	R. Billings	57	148
M. Byrne	51	168	P. Dale	42	147
W. Blomberg	57	166	C. Kingsley	54	146
B. Fisher	57	161	W. Stroehle	54	145
D. Shultz	57	161	R. Ditton	57	143
H. Wade	57	159	R. Soughan	57	142
W. Reed	57	159	J. Fagan	57	142
W. Doan	54	158	A. White	57	132
H. Shannon	54	156	R. Kelker	55	120
D. Geary	57	154	B. Pearson	57	116

Small Motor League

TEAM STANDING

	W	L	Ave.
No. 2	5	1	859
No. 11	4	2	861
No. 9	4	2	856
No. 5	4	2	838
No. 4	4	2	813
No. 7	3	3	874
No. 10	3	3	847
No. 1	3	3	821
No. 12	2	4	832
No. 3	2	4	805
No. 8	1	5	830
No. 6	1	5	824

HIGH TEAM SCORE

One Game—No. 7, 948.
Three Games—No. 9, 2640.

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Quinn	69	192	Archer	72	162
Kammeyer	30	186	Ranck	72	161
Franke	63	185	McKee	39	160
Rapp	60	183	Schwalm	24	159
Heinley	60	180	Graham	69	158
Cochoit	45	179	Walt, R.	63	156
McCullough	72	177	Kroeger	54	153
Kromm	72	177	Wilson, V.	69	152
Tobias	36	177	Stute, E.	36	152
Joseph	72	175	Kline	72	151
May	69	175	Lash	72	151
Wyss	39	173	Cooper. P.	69	151
Nicole	36	173	Agler	45	151
Daley	72	172	Gibson	54	150
Straub	54	172	Riley	18	149
Meyer, J.	72	170	Miller	72	147
McKering	72	170	Marsh	63	143
Stute, A.	72	169	Koogle, H.	42	142
Hott	69	169	Koogle, P.	39	142
Frauhiger	30	169	Hartman, M.	54	141
Cooper	69	168	Archbold	72	140
Rose	30	168	Oyer	63	139
Reiter	66	167	Auer	60	139
Walt	54	166	Heuer	66	138
Hartman, G.	66	165	Batson	54	136
Meyer, O.	33	165	Vachon	51	130
Kirkendall	69	164	Wilson, F.	66	121
Gitter	15	164	Wagner	33	121
Stahl	27	163	Sroufe	57	118
Larimore	72	163	Lhamon	72	111

Transformer League

TEAM STANDING

	W	L	Pct.	Ave.
Radios	17	4	.810	813
Bells	13	8	.620	800
Signlighters	13	8	.620	787
Ignitions	9	12	.429	803
Capacitors	9	12	.429	769
Potentials	9	12	.429	755
Toys	8	13	.381	877
Oiltesters	6	15	.286	753

HIGH TEAM SCORE

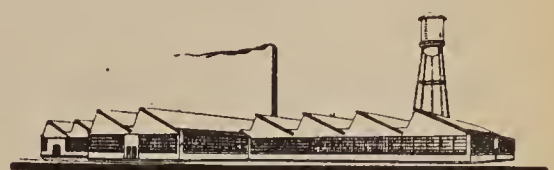
One Game—Radios, 917.
Three Games—Radios, 2610.

HIGH INDIVIDUAL SCORE

One Game—Fryback, 239.
Three Games—Kopp, 653.

INDIVIDUAL AVERAGES

	G.	Ave.		G.	Ave.
Cox	60	192	Chadwick	54	152
Kopp	51	192	Fultz	36	152
Tagtmeyer	60	185	Bradley	57	151
Kronmiller	51	175	Adams	3	149
Fryback	60	173	Staehle	39	148
Williams	60	173	Lantz	54	147
Schlatter	60	172	Vance	60	146
Cook	59	172	Redding	54	146
Magers	21	172	Sommers	60	145
Zelt	60	169	Feighner	50	144
Gallmeyer	60	168	Garta	57	142
Fink	60	166	Moyer	57	142
Gargett	42	166	Champman	18	141
Richey	51	162	Tharp	51	140
Schurenberg	60	159	Law	60	139
Meeker	57	159	Gildea	39	133
R. Leitz	51	158	E. Leitz	18	131
Weick	54	157	Stonehill	60	129
Rice	60	155	Hansel	21	126
Harshman	57	154	Wickliffe	48	123



DECATUR SECTION

G-E Club Holds Card Party And Dance

ON Feb. 16 the G-E Club (Decatur) held a card party and dance at the K. of C. Hall with approximately 200 members present. Prizes at bridge were awarded Mrs. Carl Smith, Fern Passwater, Kenneth Eady and Ralph Spade. In pinochle Mrs. Tillman Gehrig, Margaret Lichtle, Paul Busse and Lloyd Kreischer were the prize winners. In rummy Mrs. Lloyd Arnold, Agnes Nesswald, Vernon Fairchild and Robert Miller carried away the honors.

Following the games at cards the floor was cleared and dancing was enjoyed for the remainder of the evening.

The music for the dancing was furnished by the Dee Fryback Orchestra. Cassion Lutz was caller for the square dances and Frank Gillig acted as chef in charge of the refreshments and lunch that was served.

Basketball

As the season for basketball draws to a close the Decatur G-E Club team still continues strongly in the winning column.

On Jan. 31 the Club dropped a game to the Markle Boosters 32-40 on the latter's floor.

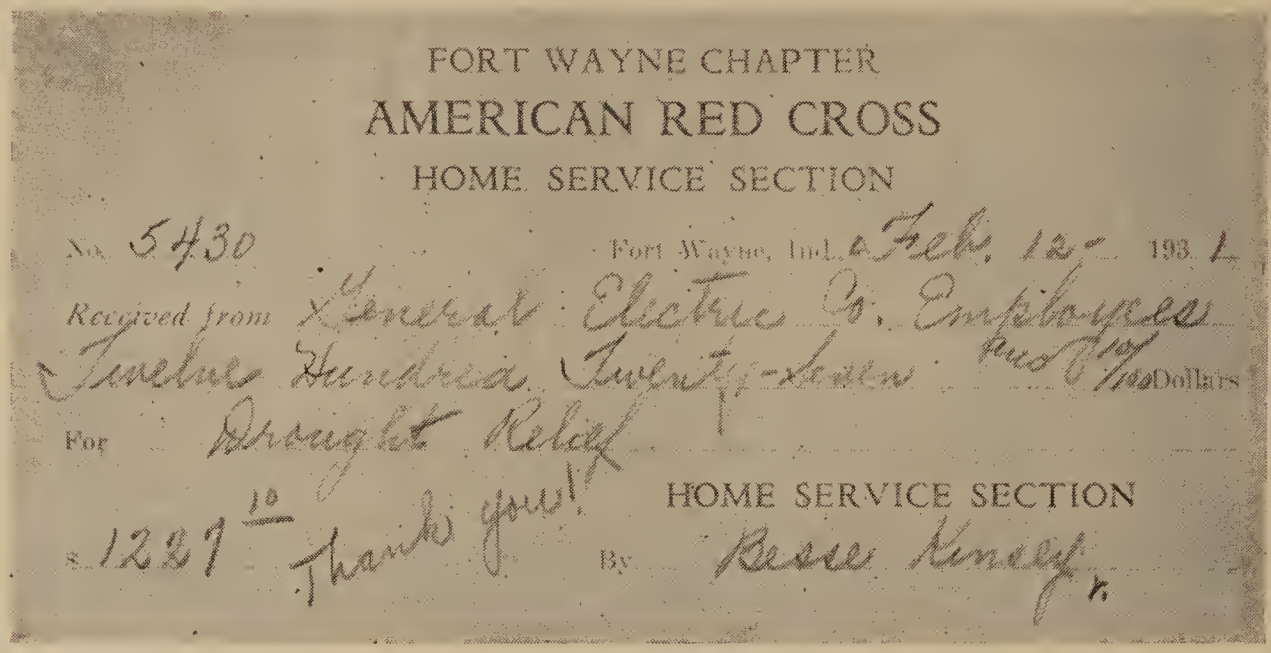
On Feb. 2 the Club took the Goshen O's measure 42-48 on Decatur's floor.

On Feb. 3 the Club played Ossian on the latter's floor and in a triple overtime game pulled out winner by the score of 42-33.

Feb. 4 found the Club at Butler, Indiana, where the Butler Chevrolet team fell victims by the score of 35-34.

Feb. 17 the Ossian Independents lowered their colors to Decatur 37-34 on the Decatur floor.

Summing up for the season to date, the Decatur G-E Club team has won 15 of the 22 games played and has scored a total of 758 points to opponent's total of 717.



FORT WAYNE CHAPTER
AMERICAN RED CROSS
HOME SERVICE SECTION

No. 5430 Fort Wayne, Ind. Feb. 12 1931

Received from General Electric Co. Employees

Twelve Hundred Twenty-seven and 10/100 Dollars

For Drought Relief

$1227.10 Thank you!

HOME SERVICE SECTION

By Reese Kinsey

G-E Employees Contribute To Red Cross Fund

IN response to the urgent need of the American Red Cross for additional funds to be used for relief of sufferers from the extended drought, a voluntary contribution was received from employees of Fort Wayne Works on Feb. 12.

The official receipt reproduced on this page in the amount of $1227.10 represents the total amount subscribed, or $1140.10 collected on Feb. 10 and personal subscriptions previously made by local G-E employees.



The GE Works News

April 17, 1931

Service Anniversaries for April

Fort Wayne Plants

»«

10 Years

Alvan A. Tharp	April 7, 1921	Floyd Mutton	April 20, 1921
Leonard Jenne	April 13, 1921	Louis N. Sordelet	April 20, 1921
John A. Woodward	April 17, 1921	Hovey L. Schrader	April 24, 1921
	Emmet J. Bobay	April 25, 1921	

15 Years

Martin W. Heider	April 3, 1916	Joseph E. Laisure	April 13, 1916
Rolland J. Fawcett	April 3, 1916	Joseph F. Overholt	April 13, 1916
Rudolph Stock	April 4, 1916	A. A. Fox	April 14, 1916
Fred W. Botteron	April 5, 1916	Paul Peterson	April 14, 1916
Gladys McMillan	April 5, 1916	George Braungart	April 15, 1916
John Trinen	April 5, 1916	Martin Einsiedel	April 17, 1916
John B. Spencer	April 6, 1916	Alma Witte	April 17, 1916
Edward P. Brooks	April 6, 1916	Ross A. Van Horn	April 17, 1916
S. Larue Cunningham	April 7, 1916	L. V. Hodell	April 19, 1916
J. H. Breidenstein	April 11, 1916	C. F. Roembke	April 19, 1916
Kenneth E. Thompson	April 11, 1916	William A. Jordan	April 20, 1916
Ella J. Grote	April 12, 1916	Karl F. Stahl	April 20, 1916
Catherine Wise	April 13, 1916	Hugh M. Stephenson	April 24, 1916
	Albert H. Hormann	April 26, 1916	

20 Years

Charles E. McFarren	April 18, 1911	Frank N. Brindle	April 24, 1911

25 Years

Samuel Shive	April 16, 1906	Ethel M. Allen	April 30, 1906

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 April 17, 1931 No. 4

Foremen Hear Real Estate Discussed

AT the March meeting of the Foremen's Association, the general subject for discussion was real estate. Following the dinner served in the Works restaurant at 6 o'clock the guest speakers of the evening, W. E. Doud and Albert Schaaf both well-known realtors of our city, presented papers which they had prepared for the occasion. Mr. Doud in his address covered in a general way the factors contributing to a city's growth and quoted at length from specialists' reports on the influences which effected the building of such cities as Chicago, Atlanta, Cleveland, Kansas City, Fort Worth and others and found that many of the factors which are credited with marked beneficial influence on the growth of such progressive cities are present in the instance of our own city, Fort Wayne. In this regard Mr. Doud stated:

"I have quoted a paragraph or two from each of ten of America's most progressive cities and find that all agree that the following are contributing factors to their growth and prosperity: location, climate, transportation, public utilities, industries, natural resources, pride in attractive homes, broad streets and boulevards, and many other well-known factors, which enter into the making of a city.

"We, who live in Fort Wayne, can point with pride to our advantageous location, our splendid transportation facilities, our efficient utilities, our strong and varied industries, our beautiful city, and above all the character and determination of our citizens to build still better and greater.

"Every advance step taken in the building of a city must of necessity add greatly to the value of its real estate—in fact, the value of city real estate depends upon how well the city in which your real estate is located, has been built. It behooves us who own real estate, therefore, to give our best efforts to city building, remembering that every tree planted, every lawn that is landscaped, every building that is freshened up with a new coat of paint, and numerous other improvements that may be made in and on your own premises will not only add to the beauty of your city but will repay you double the cost of any such improvement in the increased value of property—besides possibly inducing your neighbor to do likewise.

"Why then should we all be city builders? Surely the answer is—that everything that causes the city to grow, must of necessity also add to the value of all property within the city."

Continuing with the theme from this point Mr. Schaaf said:

"The same elements that Mr. Doud has discussed as contributing vitally to the building of other cities are applicable to our own city. Our widely diversified and extensive industries have done much to give Fort Wayne the reputation of being the best city in Indiana. In this industrial picture, it goes without saying that the General Electric Company plant has been one of the great outstanding factors. The employment which it has given to thousands of our people, the high character of the employees, the principles of thrift which it has advocated, have been of inestimable value to our community. By no means least in its far-reaching influence has been its sponsorship of home ownership and the very substantial help it has given its employees in making possible the realization of this ambition."

Mr. Schaaf then discussed in some detail the advantages of owning one's home; namely, the satisfaction and contentment, the feeling of stability, and the value of permanent residence as it affects the education of children, etc. He then took up the question of whether one should buy or build and as this is a problem which confronts so many of us we give some of Mr. Schaaf's remarks on this phase:

"Let us assume now that we have decided to secure a home. The question next presents itself as to whether we will buy a home already constructed or buy a lot and build our own home. Both plans have their advocates. In setting about to purchase a home already built we encounter the difficulty of finding just the kind of arrangement of rooms and appearance of the house which we have in mind. Frequently too, if we can come near enough to both these respects to pass our requirements, the house is in a location which we do not care for. On the other hand, the completed home gives the advantage of enabling us to see the completed product instead of being obliged to visualize what the house will be like if we decide to build. Another decided advantage is that the complete financial problem can be worked out and we can be sure that all requirements can be met, whereas, in building a home, there is the possibility of extras in the construction. Very frequently, for example, the family building a new home does not take into consideration the expense of finishing touches, such as screens, window shades, seeding of the lot, planting of shrubbery, etc. There is also the trouble and worry which so many people experience in building; the possibility of real difficulties in connection with mechanic's liens and the chance that after the house is completed it will not measure up to 100 per cent of the finished prod-

uct you had in mind in working out the plans on paper. You will thus see that there are many arguments for buying a home already built. On the other hand, there is a romance and fascination about building your own home which has a powerful appeal for many and often outweighs all other considerations. For those who prefer this method the first requirement is to select the lot. In this connection I would suggest that the location of the lot be carefully studied and a location favored where transportation facilities are good and where schools and churches are readily accessible. The district should be of the general character of the home you are expecting to build. Care should be taken especially not to select a location where the preponderence of homes are inferior to the one you are planning to build as this is a more serious error than selecting a location where other homes are superior to yours although this latter is also not advisable nor the best practice.

"Carefully thought-out restrictions in the district where you select your lot are a decided help in stabilizing values and safe-guarding your investment (community associations and maintenance fees). There has been a great deal of discussion on the proper value of the lot in comparison with the value of the improvements to be placed thereon. There is no definite rule but probably the most generally favored range is between 20 and 35 per cent. In other words, if your home is to cost $5000 the value of the lot may range from $1000 to $1750."

We regret there is not space to reproduce the papers of Mr. Doud and Mr. Schaaf in their entirety, for they contain many points of interest and value which we have passed by. However, copies are being placed in the hands of each foreman and no doubt your foreman will be glad to loan you his copy.



E. L. Price



Val Werkman



Joseph Horstman



F. J. Goetz

Four Join Quarter Century Club

J. E. HALL, secretary of the local Quarter Century Club, reports four new members acquired during March. They are Joseph Horstman, of Winter Street Plant, Val Werkman, of Bldg. 19-3, E. L. Price, of Bldg. 12-1, and F. J. Goetz, of Bldg. 18-B.

Mr. Horstman, who is a molder by trade, first took employment here at our plant as a molder in 1901. In 1903, however, he severed his connections with the Company and did not return until 1906. From then until our brass foundry was discontinued a few years ago, Mr. Horstman worked at the molder's bench. In fact, he worked in the brass foundry, first, in its original location east of Broadway thence, in Bldg. 20 west of Broadway and finally at Winter Street. When our brass foundry was discontinued in 1929 Mr. Horstman was transferred to the Mechanical Maintenance Dept. under Foreman W. H. Miller and since has been engaged on sheet metal work at Winter Street. Mr. Horstman completed 25 years' continuous service on Feb. 21.

Mr. Werkman's whole experience here with G.E. has been in connection with the building of large apparatus. Although his continuous service dates only from March 8, 1906, he tells us that he was an employee of the Fort Wayne Electric from 1891 to 1899 and worked on some of the old Slattery alternators. On his return in 1906 he worked in the apparatus machine shop under Mr. Brenner in Bldgs. 8 and 17-1 until the a-c. generator work was removed to Erie when he was transferred to Bldg. 19. He is now employed in Bldg. 19-3 and works on the forming tools used in shaping direct-current armature coils. Mr. Werkman regrets that he had to leave the old Fort Wayne Electric organization because of their financial difficulties back in 1899, for if it had not been for this enforced break in his service he now would have approximately 40 years to his credit with G.E.

Mr. Price has been connected with insulation work during the whole of his 25 years of service. When he started here in 1906 mica work was all that was handled in the Insulation Dept. and Mr. Price's first job was on the molding of mica rings. When the bakelite molding was started here some 10 years ago Mr. Price had the opportunity of handling such work and therefore knows at first hand the troubles that were then experienced. He is now foreman in the Wire and Insulation Division and has charge of the molded bakelite work in Bldg. 12-1 and 12-B and the sheet mica work in Bldg. 10-1. In years of service he qualified for membership in the Quarter Century Club on March 24.

Mr. Goetz started his employment here in what was then known as the Publication Dept., his first job being that of filling orders for stationery supplies and running the duplicating machines. His first promotion, he recalls, placed him in charge of ordering all printed forms and price sheets. In 1915 or 1916, when C. D. Wheeler who then had charge of the Publicity and Advertising work left the organization, Mr. Goetz was placed in charge of the Stationery Dept. In 1929 he was given charge also of the Mailing Dept. which includes the duplicating, telegraph and messenger service and since then his headquarters have been in the Mailing Dept., Bldg. 18-B. March 26 was the twenty-fifth anniversary of Mr. Goetz' start as a G-E employee.

Suggestion Awards

IN THE manufacture of type IAC relays difficulties occurred because of the need for slight adjustment at times in the position of the mounting plate. Chester Langley, of Bldg. 19-4, has the credit of bringing about a solution of this difficulty by the simple expedient of providing sufficient clearance in the holes in this plate through which the mounting screws pass, so that the necessary adjustment in the mounting plate's position can be made in assembling the relay. As a result of his suggestion Mr. Langley received $50 award.

Paul Gressley, of Bldg. 26-3, offered a suggestion that improved the operation of certain winding machines in the Transformer Division. He suggested the installation of guides for the traverse bars on these winding machines and his award was $25.

James V. Stouder and Clarence W. Hale, of Bldg. 19-3, shared in a $20 award by suggesting the combining of the notching and stacking operations on armature or rotor discs of Erie Works.

J. A. Lamboley, Bldg. 2-3, suggested a practical use for certain trimmings from Refrigeration Division for SD-1246 stators, and received $20 award.

H. G. Kappel, Bldg. 19-3, suggested the use of rolled steel in place of castings, pattern 3424, in our Apparatus Division and received an award of $20 on his suggestion.

Lester Arnold, Bldg. 26-1, received $15 award on suggesting a device to remove excessive compound from coils in the Transformer Division.

Robert Kittle, Bldg. 20, received $10 award on suggesting that switches be installed at automatic welders in Bldg. 27.

Arthur F. Stute, Bldg. 4-2, suggested changes to certain re-punch dies used by Fract. Hp. Motor Division that brought him $10 award.

Clarence Hewes, Bldg. 12-1, suggested improvements to tube rolling machine in Bldg. 12-1 and was awarded $7.50.

James F. Sarasien, Bldg. 19-4, received $7.50 award on suggesting changes in the routine for treatment and assembly of GAX current coils.



Chester Langley



Paul Gressley

H. G. Kappel, Bldg. 19-3, was awarded $7.50 on suggesting use of plate material instead of castings as per patterns 5292 and 5294 of the Apparatus Division.

Five-dollar awards were made to the following employees of our Works on suggestions during the four weeks' period Feb. 23 to March 21 covered by this report:

Bldg. 2. Louis Scherer.

Bldg. 4. Joe Middendorf, Clarence Seslar, Harry Ganther (2), Ruth Reynolds, Herman C. Macke, Thetus J. Johnson, T. J. Kitchen, Arthur L. Bear, Lloyd Garrison, Raymond W. Epperson, Estel L. Grier, Dwight L. Williams, H. Fink, Jay H. Michael, Carl M. Junk.

Bldg. 12. Ervin A. Countryman, Fred Zehender, Loretta Gerardot (2).

Bldg. 17. Andrew Nichter, Charlotte Blauvelt, Mabel Binkley, Opal Moser, Fred Crickmore, David Gehring, H. C. Lemmel, Frank Williams, Glenn R. Miller, Ellis R. Bleke.

Bldg. 18. James E. Fulton, Wilbert Sax.

Bldg. 19. Reuben A. Heckman, Dorothy M. Lindeman, Leonard Harsch, James Scarbrough, Doris D. Proxmire, Kenneth J. Betts; E. D. Klopfenstein, Walter S. McCormick, James Grogg, O. V. Martin, Frank Laier, Lee Isenberger, Herman F. Heine, A. Spenney, G. K. Buchan, Arthur McNamara, Mrs. D. W. Buhr.

Bldg. 20. Harold Smith, W. Wollman, Hartman Deel, Frank Sitton, Henry Baker, Fred A. Burkett.

Bldg. 21. Frank C. Mason.

Bldg. 26. Thos. Hayden, Ella Rowan, Wilber M. Smith, Wayne Brunette, C. A. Kerns, Ralph McCoy (2), Noel Reece, Russell Scherrer, Walter Konow, Louis C. Brunner, Wm. F. Oswalt, Melvin Payne, Cedric J. Reed, Floyd Chilcote, Howard I. Shipman.

Bldg. 27. A. Hume, Joe Zephyr, W. W. Foster.

Winter Street. Terrace Colvin, Louis A. Frantz, Lawrence V. Roth, Robert Lasch, Walter E. Cornelius, Victor C. Northcott, Howard E. Coverdale, Paul Carter, Gerold Gehl, Kenneth J. Hupp, Eldridge H. Gillum, Paul Schoenherr, Edward Henry Schmitt, Leroy M. Crider, Paul Kennerk, Mark A. Hennigh, Glenn A. Glassett, William Welch, E. Geller and Mark A. Hennigh, William F. Emkow, J. I. Howard, Burris Johnson, Edgar A. Gallmeier (2), Gerald Grandstaff, Edwin C. Rodenbeck, Otto C. Brumm, Oliver H. Bowman, C. A. Bell, L. Fenwick, Wilbur Kurtz, R. F. Shank.

Winter Street Plant News

WE ARE all pepped up at the Refrigeration Division, having just gone through a series of sales meetings. If you feel downhearted, just attend one of these meetings; you will come back with enough enthusiasm to "lick the world."

Probably a slogan or two, some of the plans, improvements, statements, etc., will help you to put on an optimistic front as it has us, so, well here they are:

"Hot after Cold Business"

"New three year guarantee"

"Lower Prices—New dealers' terms"

"Six and a half million dollars for advertising in 1931"

"10,000 salesmen, 10,000 factory workers"

"400 per cent more users than two years ago"

"200 per cent improvement in product, 33½ per cent reduction in prices as compared to 1928"

"Electrical Refrigeration saturation is only 12.8 per cent"

May we add that every employee should be a booster for our General Electric Products, especially our Refrigerators.

New faces in Refrigeration Division.

We are pleased to introduce and welcome to our Division the following new men: Chester Litchenberg, Engineering Dept.; Wm. Franke, Tool Dept.; Glen Hicks, Inspection Dept.; Wm. Miller, Maintenance;

(*Continued on page VIII*)

Four Placed on Pension Roll

George A. Betz

GEORGE A. BETZ, a well known member of the Quarter Century Club, celebrated his 65th birthday on Jan. 22, and at his request was retired from active service at the close of work on Jan. 31 with optional retirement pension effective Feb. 1.

Mr. Betz has served the Company faithfully for over 38 years, his first work being in the old Arc Lamp Dept., where he started on Nov. 28, 1892. After approximately one year, Mr. Betz was transferred to the Shipping Dept., where he served for a quarter of a century under Mr. Kiess. Much of Mr. Betz's work during this time was the collection and shipping of repair parts. He recalls that as he then was familiar with the locations in the shop where many of the parts were manufactured he used to go to such departments with his order and carry the required parts back with him to the old warehouse where he would pack them carefully, affix the necessary labels and then get out the shipping papers.

Of later years, Mr. Betz has worked in the tool room in Bldg. 19–4 and many were the friends that he made there in handling the special tools required by Meter Dept. employees. On his last day at work, his co-workers in the tool room and many of those to whom he had so often passed out tools and supplies gathered together and presented him a number of highly appreciated gifts as a token of their high esteem and best wishes for his health and happiness in the years to come. Mr. Betz lives on Lindenwood Ave., which is just at the western edge of the city, and crosses from the Bass to the Illinois roads. His two daughters live with him there and he invites his friends to stop in whenever they may be passing by.



George A. Betz



August Jaebker

Christian Blomenberg

Christian Blomenberg, Meter Dept., Bldg. 19-4, who has been in the employ of the Compay since March 7, 1907, was retired from active service under the optional retirement provisions of the Company's pension system, his pension being effective as of Feb. 7. Mr. Blomenberg, now over 66 years of age, came into our General Electric organization through his services at the Edison Lamp Works. He had been working as a carpenter for the contractor that built the Edison Lamp Works, Holman Street Plant, now the Fort Wayne Printing Company's plant, and when the building was finished he secured a job as a maintenance man for the Lamp Works. When the manufacture of incandescent lamps was discontinued there in 1924 he remained at the plant to take care of the buildings. After the Holman Street site was sold and refrigeration machine manufacture was started at the Winter Street plant, Mr. Blomenberg was transferred to our Meter Dept. here at the Broadway Plant where he since has been employed.

Mr. Blomenberg has one distinction that we believe is unequalled by any one else in Fort Wayne. He has five sons who are employees of our Fort Wayne Works. They are Victor, who is head of the Switchboard Drafting section Bldg. 19-5; Wilbert, who is employed in the Pay Roll Dept., Bldg. 18-2; Arnold, of the Apparatus Division, Bldg. 19-3;Walter, of the Fractional Horsepower Motor Division, Bldg. 2-3; and Melvin, of the General Service Division, now working at Winter Street. Altogether the father and these five sons have a combined service with the Company of over 91 years. Four of Mr. Blomenberg's daughters, Camille, Luella, Marie and Wilma, also have been employed here at our Fort Wayne Works, but the greatest number of members of this family employed here at any one time was seven.

The Blomenberg family service record is 103 years, and we know of only one which beats it; that of the family of Collins S. Rehrer which may be credited with 117 years. Mr. Blomenberg's home is at 1204 Huestis Ave.

William D. Maxwell

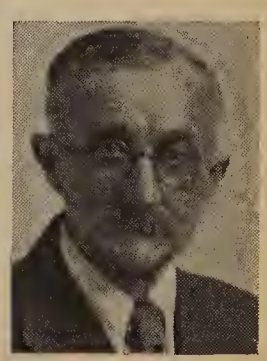
William D. Maxwell of the Carpenter Shop, who had been an employee of that department for the past 27 years accepted an optional retirement pension at the age of 65 and gave up his work here on Feb. 13. For a number of years Mr. Maxwell was assistant foreman in charge of all outside carpenter work and this assignment took him into many parts of our plant. Of recent years, however, he has worked almost wholly within the shop, an attack of illness having made it desirable that he give up outside work. Besides his regular work as a carpenter, Mr. Maxwell served for many years as an active member of our Works Volunteer Fire Dept. under former Fire Chief William Wurtle and says that he greatly enjoyed his connections with that department. Mr. Maxwell's home is at 1140 Jones St. His pension became effective Feb. 13.

August Jaebker

August Jaebker, employed as a heat treater on tool and die work, Bldg. 26-5, celebrated his 70th birthday Feb. 12 and was granted a pension effective Feb. 13, with a continuous service to his credit of over 30 years. Mr. Jaebker learned the blacksmith trade in a general blacksmith shop at Logansport while he was a young man, and there received some valuable experience in tempering in work-



W D .Maxwell



Christian Blomenberg

ing on tools used in rock quarries. When he came to our Works here May 24, 1900, as a blacksmith, the tool tempering was done in our blacksmith shop and all of it at the open forge. Finally, of course, gas-fired and electric furnaces were secured for heating the tools and dies which required heat treatment, and in later years Mr. Jaebker has used these modern furnaces.

In spite of his age, Mr. Jaebker tells us, he has never used an automobile or the street cars in coming to his work. Although his home is at 1219 Summit Street, almost two miles from our plant, he easily made it in about one-half hour. This regular walking to and from work seems to have agreed with Mr. Jaebker, for he says he can still climb the stairs to the top of Bldg. 26 without being the least bit short of breath.

Mrs. Wood Presents Cup to Fire Department

THE Fort Wayne Works Volunteer Fire Dept. recently received from Mrs. James J. Wood a remarkably beautiful silver cup standing 28 inches high, as a memorial of the high esteem in which our volunteer firemen were held by Mr. Wood during his life's service at the local plant. The inscription on the cup is as follows:

1930
To Commemorate
The High Regard
Felt by the Late
James J. Wood
for the
Fort Wayne Works
Volunteer Fire Department,
This Trophy is Presented
To That Loyal
and Efficient Organization
by
Mrs. James J. Wood
To be Placed Among Other Prizes
Won By
G-E
Employees

On March 25, the anniversary of Mr. Wood's birth, the cup was formally presented by Mr. Barnes, acting for Mrs. Wood, to the officers of our Volunteer Firemen's Association. The remarks by Mr. Barnes in making the presentation and the letter of acceptance addressed by officers of the Association to Mrs. Wood follow:

March 25, 1931.

Mrs. J. J. Wood has requested that I formally hand to the officers of the General Electric, Fort Wayne Plant, Volunteer Fire Dept., this memorial cup which she desires to present to the organization as a token of both her and her husband's esteem for the men of the department which he admired for their efficiency and loyalty. I, therefore, as desired by Mrs. Wood, hereby on the 75th anniversary of Mr. Wood's birth, make such presentation to you, the officers of the organization. It is understood that this cup will be placed in the section of the trophy cabinet in the recreation building where other fire department trophies and emblems are kept after the members of the Fire Dept. have had an opportunity to see the same.

E. J. Barnes.

March 25, 1931.

Mrs. J. J. Wood,
434 E. Main St.,
Fort Wayne, Ind.

My dear Madam:

We were very pleased this morning to have officially presented to us by Mr. Barnes, representing you, the very handsome cup as a memento of your departed husband, Mr. J. J. Wood, with whom, many of us worked, and whose talent and interest in the employees generally, and the Fire Dept. in particular, was so real. We, therefore, wish through the instrumentality of this letter to thank you sincerely for your graciousness in making this gift, which will be placed in the trophy room of the recreation building where employees can see and appreciate the same.

Thanking you again for your thoughtfulness in this matter, we wish to remain,

Yours very sincerely.

Wm. S. Melching
Fred G. Duryee
Harry Zimmerman
James Sivits
Paul Grimme
George Doebla



The James J. Wood Cup

Recent Deaths

John L. Rosencrance

JOHN L. Rosencrance who had been working as a machinist in the Special Machine Dept., Bldg. 26-5, when laid off for lack of work last December, died at St. Joseph's Hospital on March 15 of a streptococci infection after an illness of only a few days. Mr. Rosencrance was a graduate of our G-E Apprentice School, receiving his diploma as a machinist-toolmaker Sept. 20, 1920. He had started his apprenticeship work in May 1914, but before he had completed his course enlisted for military service in the World War. On his return from military service he completed his apprenticeship and then was employed in the Toolmaking Dept., Bldg. 26-5. His continuous service, however, only dates from Oct. 26, 1925, as he had left the Company's employ in 1924 to engage in business for himself. On his re-engagement he worked for a time in the Fractional Horsepower Motor Developmental Dept. as a machinist, later being transferred to Mr. Schafenacher in Bldg. 26-5. The funeral was held on March 18 with burial in Lindenwood.

William Kammeyer

William Kammeyer, who had been employed on sandblasting work at Winter Street since Jan. 5 of this year, died at the Lutheran

Hospital March 25 after an illness of only a little over two weeks. Mr. Kammeyer had started his service here at the General Electric on Aug. 31, 1927, as an assembler in the Meter Dept. In Aug., 1930, he was transferred to the Refrigerator Division and worked in Bldg. 27 before his transfer to the Winter Street Plant. He is a brother of Herbert Kammeyer, Payroll Dept., Bldg. 18-2; Otto, Richard and Fred, of the Meter Dept.; and Walter of the Fractional Horsepower Motor Division. The funeral was held March 30 from Emmaus Lutheran church with burial in Lindenwood cemetery.

Waste Costs You Money

FORT WAYNE WORKS FIGHT WASTE WITH GENERAL ELECTRIC GREATER ENERGY

HAVE you seen the Suggestion poster recently displayed on our bulletin boards, the pictures of two automobiles? One of them, an antiquated appearing model of the vintage of about 1910 sold at that time for about $2400 and the other a late model, probably 1930, sells for about $1200. Compare the late model car with the 1910 model. The 1930 model is a thing of beauty with graceful lines and a beautiful durable finish, whereas the 1910 model appears to us a clumsy piece of machinery covered with a coat of paint. You can see these improvements at a casual glance and you know from experience that in every other respect the 1930 car is many times superior to the 1910 car. In riding qualities, performance, equipment, durability, speed, and economical operation there is absolutely no comparison. The outstanding feature of this great improvement is the fact that this modern car sells for only one-half the amount its antiquated predecessor did.

While the improvement in the automobile industry is perhaps the most spectacular and the one with which we are the most familiar, the same degree of progress applies to almost every manufactured article we purchase today. The radio has been with us only a few years, yet the modern radio is far superior to the radio of ten years ago in every respect and can be purchased for far less than the radio of that period. All products of our own Company have gone through the same improvements at lower selling prices although we as workmen are not as familiar with the use of most of these products as we are incandescent lamps and domestic electrical appliances.

Let us stop to consider what brought about these changes. Improvements in quality have been made largely through research, engineering development, experiment, and good workmanship.

The largest single factor which brought about lower prices is WASTE REDUCTION. The reducing of waste material, labor, and the facilities used in the manufacture of an article lowers the cost and in these days of keen competition also lowers the selling price of that article. The lowering of the selling price places any article within the reach of a greater number of people. Consequently the demand increases and the manufacturer must produce in greater quantities to meet the growing demand. Waste reduction is governed to a large extent by quantities produced. Therefore, when the demand increases the manufacturer is able to further reduce waste, again cut costs, and reach a still greater number of people. Increased production also means increased employment.

This cycle is almost endless and the prices which we pay for an article today, and think are as low as possible, may be several times the amount we will pay for the same article a few years from today.

These future improvements, which depend to a great extent on waste reduction, can only be accomplished by the full co-operation of every worker connected either directly or indirectly with the industrial world. No item of waste is too small to be overlooked. It is just as easy to prevent waste as it is to cause waste. Each one of us can, if we will, save 10 cents per day in just the little things we work with. If we do this, we will save $160,000 per year at the Fort Wayne Works.

The Company wishes to pay each employee for ideas he contributes which result in a saving. There is a suggestion box containing blanks on the floor where you work. If you have an idea which you feel will result in a saving, fill out one of these blanks and deposit it in the suggestion box. Your idea will be carefully investigated and if it is adopted, you will receive a cash award.

Think of it! If each employee turned in two suggestions per year, each resulting in a net annual saving of $100, the total annual savings from this source would be $1,200,000. This saving will result in lower selling prices, greater demand, and higher production which means more employment.

Let us therefore each accept responsibility for performing our daily work in the most effective way and do our share toward keeping the cost reduction curve moving downwards.

On the Cover

Robins are the harbingers of Spring in some parts of the country, and trailing arbutus in others. A G-E employee, who went trout fishing the first week-end after the season opened, snapped the youngster shown on the cover who officially welcomed Spring in New York State.

Winter Street Plant News

(*Continued from page V*)

E. L. Locker, Production and Stock.

Do you read? If so, be sure and watch for the General Electric Refrigerator display advertisements in the following magazines of the April editions: *Saturday Evening Post, Collier's, Ladies' Home Journal, Good Housekeeping, Woman's Home Companion, McCall's, Better Homes and Gardens, Cosmopolitan, National Geographic, Fortune.*

A staff of departmental reporters has been appointed for the *Refrigeration Division News* and the latest news flashes can be expected from the "On the Top" department.

With Our Elex Club Girls



Meter Dept. Membership Girls—*Left to right:* Myrle Strause, Irene Meyers and Bernadette Lantz



Executive Committee—*Left to right:* Irene Meyers, Leone Stone, Lena Shull, Louise Lawson, Marie Blough, Miriam Valentine and Esther Moll (Lois Miller not present)



Fr. Hp. Motor Dept. Membership Girls—*Left to right:* Elma Schneck, Miriam Valentine, Mary Cookson, Ruth Fuller, Hilda Puff and Edith Venrick

Below—Out on a hike



Below—The whole group





Transformer Dept. Membership Girls—*Left to right:* Mae Wert, Adella Benenti, Marie Blough, Louise Lawson, Hazel Newport, Velma Vincent and Alma Schneider



Office Membership Girls—*Left to right:* Lorena Fann, Lena Shull, Becky Stiles, Leone Stone, Cecile Meyers and Esther Moll

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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Mabel Liggett...Girls' Section and Junior Page

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Warren Locker.....Winter Street Plant
Robert White.....Decatur Plant
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G. H. Boots.....G-E Squares
I. H. Freeman.....Foremen's Club
E. A. Miller.....Volunteer Firemen
John L. Verweire.....Band
J. E. Hall.....Quarter Century Club

No. 15 April 17, 1931 No. 4

Road Closed!

THE best made plans may sometimes go awry. None of us always realize our every desire and ambition. The unforseen and unexpected thing may happen, then we find ourselves gazing upon the ruins of our so carefully made plans. In order that we more often realize our desires and ambitions, it is necessary to familiarize ourselves with the potential hazards which are ever threatening the success of human endeavor. If we recognize in advance a threatening danger we can usually forestall it.

Accidents are one of the most threatening of these possible hazards. Minor injuries that have no serious results are sure to check our progress toward the goal of our ambition and physical injuries which result in infirmity may block the road forever. Consider for a moment just how your plans for the future would be affected should you lose an arm, a leg or your eyesight. Could you carry on with your present work? Could you still hope to realize the same ambitions? Or, would you be forced to seek new work with lower wages and new ambitions with less hope of their realization?

Keep your eyes open to avoid accidents in order to keep your road open.

Absent Employees

Henry Lapp, of the Switchgear Dept., Bldg. 19-5, Wilmer Finger, of the Fractional Horsepower Motor Dept., Bldg. 17-3, and Clara Gilmore, of the Fractional Horsepower Motor Dept., Bldg. 4-1, are at present hospital patients following operations. Mr. Lapp is at St. Joseph's Hospital, Mr. Finger at the Lutheran Hospital while Miss Gilmore is at Grant Hospital in Chicago. All are reported as recovering nicely.

Mamie Foley, of the Fractional Horsepower Motor Dept., Bldg. 4-4, also, is a patient at the Lutheran Hospital where she is undergoing treatments at this time.

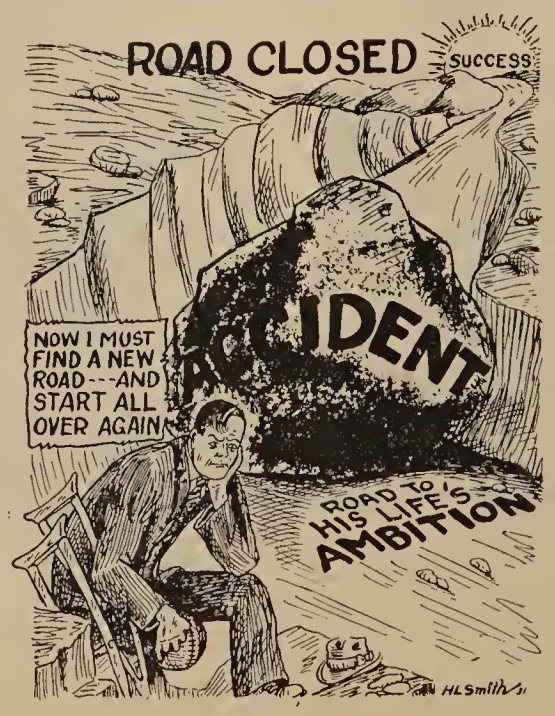
The following employees are now at their respective homes convalescing from operations which they have undergone recently: Theodore Raypole, of the Transportation Dept.; John Hughes, of the Transformer Dept., Bldg. 26-B; Helen Allen of the Fractional Horsepower Motor Dept., Bldg. 17-2; Leila Byall, of the Fractional Horsepower Motor Dept., Bldg. 4-5; Anna Dunlap, of the Fractional Horsepower Motor Dept., Bldg. 17-2; Margaret Goshorn, of Apparatus Cost, Bldg. 19-3; Orville Coleman, Meter Dept., Bldg. 26-4, and Louise Borgman, of the Payroll Dept., Bldg. 18-2. We are glad to report that all of these patients are making good progress toward recovery.

Nellie Baumgartner, Gay Williamson, and Rebecca Sheehan, all of the Fractional Horsepower Motor Division, are confined to their respective homes by attacks of diphtheria, but all are getting along nicely.

Ben Krock, of the Meter Division, whose home is at 930 E. Washington Blvd., Betty Grim, of Fractional Horsepower Motor Division, Bldg. 4-2, whose home is at 341 Brandriff St. and Harley De Witt, of the Wire and Insulation Division, all have been confined to their homes by illness for several weeks past, but now are showing good progress toward recovery.

Lavada Schlup, Fractional Horsepower Motor Division, Bldg. 4-1, has been confined to her home for several weeks as a result of an attack of influenza. Marcella Helmkamp, of Winter Street Plant, and William Teagarden, of the Apparatus Division, also have been sick and off duty for several weeks past.

William Ehrman, of the Switchgear Dept., Bldg. 19-5, is kept from his work here by an injury to his back.



About Suggestions

A QUESTION which undoubtedly has occurred to many since our Suggestion System was established is, "What kind of suggestion must one offer to better his chances of winning a large suggestion award?" This is a question which can be answered best by making some general observations in regard to certain factors that enter into the question of value of the suggestion.

As every G-E employee undoubtedly knows the amount of the suggestion award is mainly based on the value of the suggestion to the Company. A suggestion applying to a product in which the number of units manufactured annually is quite large, will show a larger total saving annually than if the same suggestion applied to a product of lower quantity production. As an example of this, a one cent saving on each one of 50,000 units will amount to $500. If the production were only 50 units per year, the same one cent saving per unit would amount to only 50 cents a year. To produce a $500 saving on the manufacture of 50 units would require a $10 reduction in the cost of each unit.

There is this compensation, though, for those whose work brings them only into contact with the manufacture of big pieces of apparatus, as there is some opportunity to effect a $10 reduction in the cost of a big motor or motor-generator set which may be worth hundreds of dollars. There is no such opportunity in the case of a little fractional horsepower motor. Difficulties, however, may attend the "cashing-in" on suggestions relating to either large or small apparatus for it may be quite

(Continued on page 15)

$903,905 Paid to Pensioned Employees During 1930

IN a letter to President Gerard Swope, S. L. Whitestone, chairman of the Pension Board of the Company and the General Electric Pension Trust, made the following report summarizing the 1930 activities of the Pension Board and the General Electric Pension Trust.

At January 1, 1930, 1,038 former employees were on the pension rolls. During the year, the Pension Board granted 84 old-age pensions, 172 optional retirements (age 65-69), and 92 disability relief payments. Of these 348 employees 16 were women. The average service prior to pensioning was over 29 years. There were 99 pensioners who died during the year, so that at December 31, 1930, 1,287 were on the pension rolls. These pensioners averaged 69.2 years of age, and received, on the average, $68.07 per month as pension.

In 1930, a total of $903,905 was paid to pensioners; $541,204 of this was paid directly by the Company (as the Company continues to make the payments to all those who were pensioned before the Trust was created in 1927), and $362,701 was paid by the Pension Trust.

The General Electric Pension Trust closed the year 1930 with assets of $16,505,168. Most of this was invested in securities costing $16,447,077, principally in notes of the Electrical Securities Corporation maturing in 1947 and 1950. The General Electric Company owns all of the common stock of the Electrical Securities Corporation, but part of the preferred stock is outstanding in the hands of the public. This company conducts a general business in securities and has a diversity of investments which could not be easily duplicated by this trust. The income of the Electrical Securities Corporation for the year of 1930 was equal to 3.3 times interest of the entire note issue of that corporation, while the equity applicable to these notes is 2.7 times their face value.

The interest received on the securities owned aggregated $661,394 in 1930, and these receipts were invested in notes of the Electrical Securities Corporation.

The rapid growth of pension payments is shown by comparing the $903,905 paid in 1930 with $57,386 paid in 1920 and $3,691 paid in 1913, the year after the Pension Plan was first announced.

Although the early years of the pension plan saw only a few employees qualifying, there are now 33 employees who have drawn pensions for 10 years or more, and 220 who have been pensioners for five years or more. Over 80 per cent of all employees pensioned in the last five years are still alive and receiving their pension checks each month.

Our oldest pensioner is Andrew Smith, who is well over 92. He was pensioned from the River Works after 34 years of service.

G-E Additional Pension Trust

In a later letter dated March 30, Mr. Whitestone made the following report summarizing the activities of the General Electric Additional Pension Trust.

On January 31, 1931 the trustees held $3,185,166 for 50,300 employees. Most of this was invested in bonds of the G. E. Employees Securities Corporation. The interest rate earned since 1928 has varied from 7.61 to 7.98 per cent.

Although the plan is less than three years old, present employees have already been credited with earnings of $263,680, thus substantially increasing the amount originally set aside for each employee.

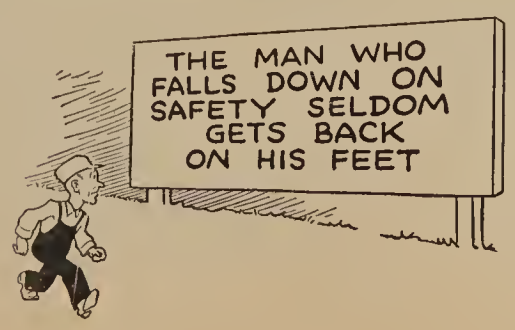
As employees have died or left the Company for other reasons, refunds have been made of all they paid in plus income to the day of withdrawal. The total so paid has been $192,915.

Speeding Up Egg Production

IT is a comparatively simple thing to speed up a machine, but when it comes to speeding up a hen, the problem becomes considerably more difficult. Just recently, however, a 70 per cent increase in egg production by a flock of 180 chickens who were treated two hours daily with ultra-violet rays has been reported. The experiment was sponsored by the Missouri Public Service Co., Warrensburg, Mo., and the G. E. Supply Corporation of Kansas City, Mo.

The test was made on the Case and Elling Farm, at Concordia, Mo. A flock of pullets was divided into groups of 180 each and housed in a two-section Jamesway hen house, insulated but unheated. Each group received the same food and ventilation. Egg production was checked from Nov. 1 to Jan. 1 and was found the same for each flock. Beginning Jan. 1, group A was treated with ultra-violet radiation by means of two G-E Sunlamps suspended four feet above the feeder. These were automatically turned on at 5:30 a.m. and off at 7:30 a.m. Sufficient illumination was provided group "B" so that each flock would be off the roosts at the same time.

After a month's test, the untreated group had gained 13 per cent over normal production and the treated flock gained 92 per cent. The increase for the former group and 13 per cent for the treated group was ascribed to extreme mild weather conditions. With full allowance for the unseasonable conditions, the treated group showed a 70 per cent increase as a result of ultra-violet treatment. Group A showed an egg production of 2150 while the untreated class gave 1263 eggs for the month.



Under the Ice at the North Pole They Will Need a G-E Refrigerator

Sir Hubert Wilkins Has Much G-E Equipment in Submarine in Which He Plans to Cross Top of the World Under Water



Sir Hubert Wilkins and Vice President C. E. Wilson Inspect a G-E Sunlamp in the *Nautilus*

THE *Nautilus,* a submarine which is being prepared to travel across the top of the earth and beneath the North Pole, has been elaborately equipped with electric devices, by Sir Hubert Wilkins, the explorer in charge. Together with other special apparatus of unique design and purpose, these electric appliances will make the submarine a more perfect dwelling place for the crew of 20 than even Jules Verne's famous *Nautilus,* whose name this modern craft will bear in memory of the great scientific fictionist.

Paradoxically perhaps, but none the less truly, Sir Hubert's *Nautilus* will carry a General Electric refrigerator into the Arctic Ocean. The interior of the submarine will be warm enough, even in the Frigid Zone, to cause food to spoil; the electric refrigerator will be used for the preservation of the food rations of the crew.

The *Nautilus* will also have a complement of General Electric Sunlamps, since the boat will be under water so much of the time that, even though the sun shines 24 hours a day in the Land of the Midnight Sun, the men will gain very little exposure to natural sunlight. The crew will need the ultra-violet rays of the artificial sun to keep them in good physical condition.

There will be electric fans to stir up the air when the submarine has been submerged for a long time, giving the air a fresh and invigorating feeling as it is breathed.

One of the General Electric Company's new-type radio receivers will provide the crew with entertainment from broadcasting stations during off-hours of the expedition.

The matter of cleanliness will be taken into account far more than is usual on one of these expeditions through the use of a G-E electric washer and electric vacuum cleaner. A G-E Hotpoint electric stove will be used for cooking, and G-E Edison Mazda lamps will illuminate the interior.

Electric currents for these various items of equipment will be supplied by a large storage battery which will also be used for start-

(*Continued on page 3*)



The *Nautilus* Receiving Finishing Touches in the Shipyards at Camden



G-E Junior Console Model



The G-E Junior Model

Two New G-E Radios Announced

TWO new small radio models, embracing high quality of tone, sensitivity, and selectivity, have been announced by the Company. These are to be known as the G-E Junior and the Junior Console. Both are Full Range Radios, embodying the many qualifications of excellence which entitle them to this classification.

The Junior has outstanding specifications. With an eight-tube, screen-grid superheterodyne circuit, this model incorporates the newly perfected super-control Radiotron tube. This tube improves tone on low volume, minimizes cross talk and interference, and eliminates the necessity of a local-distant switch. A standard eight-inch speaker is used. A new type of unusually effective tone control is employed.

In cabinet design, the Junior is an adaption of 18th century clock furniture, with butt walnut panel. A unique feature is the folding antique bronze handle, offering easy portability.

The Junior Console operates with the same chassis circuit and features. With legs, its cabinet design is a small edition of the standard models of Full Range Radios. The cabinet, of matched walnut panelling, embodies the early American Duncan Phyfe motif.

Both models have terminals for electrical phonograph connections. Tubes are matched and tested in each set at the factory and these tested tubes will be shipped with the sets. The circuits are well shielded. Every inch of available and practical space is utilized, making for compactness without sacrifice of completeness. The G-E Junior will retail at $72.50 and the Junior Console will retail at $99.50, both complete with tubes.

Safety Contest

THE Inter-works Accident Reduction Contest finds several plants in close competition at the end of February. West Lynn has displaced Meriden for the lead but is only .005 ahead. Meriden in turn leads Philadelphia by .01. Erie is .03 ahead of River Works and River Works is .01 ahead of Oakland. Pittsfield, with the lowest number of accidents for February, has advanced into the first division, ousting Bridgeport. The standings of the various plants follow, an asterisk denoting improvement over January:

Division 1	Division 2
*West Lynn	Bridgeport
Meriden	*ALL PLANTS
Philadelphia	*Erie
Fort Wayne	*River Works
*Bloomfield	*Oakland
*Pittsfield	*Schenectady

Read the Special Radio Offer to Employees on the Back Cover of this Issue

Under the Ice at the North Pole

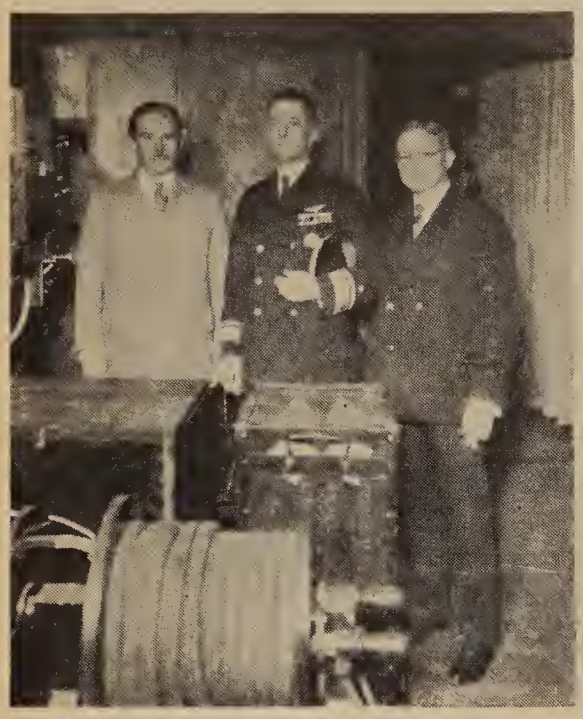
(Continued from page 2)

ing the Diesel propulsion engines. There will be an auxiliary Diesel electric generator for recharging the storage batteries when necessary.

The *Nautilus* will be able to remain six days under water, if required, without recharge of the battery or a change of air. It will travel under the ice by the unique method of the "sledding" principle applied upside down. A sled deck and a guide will slide along in light contact with the undersurface of the ice, so that the vessel will behave like a marine fly crawling swiftly along a ceiling of ice.

By means of an ice-cutting tool atop a special collapsible conning tower, a hole can be bored through 15 feet of ice, allowing the crew to crawl out through the conning tower to the top of the Arctic ice.

Here and There With the G-E Photographer



Left: Rear Admiral Richard E. Byrd poses for the camera with Dr. E. F. W. Alexanderson of the G-E Research Laboratories and Martin P. Rice of the G-E Publicity Dept., while on a recent visit to the House of Magic



Right: The Vasco da Gama Stadium at Rio de Janeiro seats 70,000 persons and is illuminated for night sports by 66 G-E floodlighting projectors



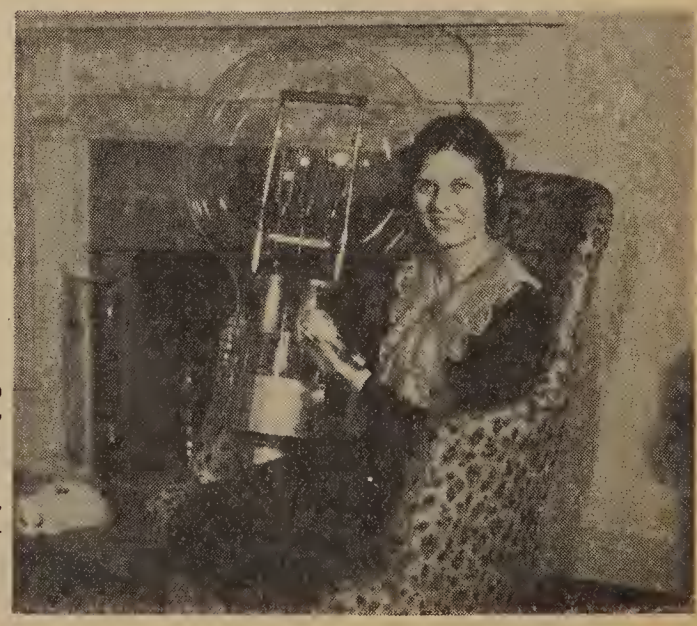
Left: A giant X-ray tube built in the G-E Research Laboratories at Schenectady for the New York Memorial Hospital



Right: This novel G-E refrigerator, destined for the Museum of Peaceful Arts, is constructed so as to allow the mechanism to be seen in operation



Left: A black obelisk with an electric fountain at its base occupies the center of the Indiana War Memorial Plaza. The electric fountain is equipped with G-E underwater projectors and multicolored lights



Right: A contrast in lamps. The young lady holds a G-E photoflash lamp in her left hand and in her other arm, the world's largest incandescent lamp

Around the World with General Electric

Indianapolis

A 100-foot black obelisk tipped with gold leaf occupies the center of the Indiana World War Memorial Plaza in the heart of Indianapolis. At its base, an electric water fountain with two pink Georgia marble basins, equipped with 40 G-E underwater projectors having multi-colored lights, sends a circle of sprays skyward in a surrounding halo. The Plaza, approximately 500 feet wide and half a mile long is an imposing project which will eventually represent an expenditure of $3,750,000.

Venezuela

Venezuela is the second largest petroleum producing country in the world. The value of the annual production runs into many millions of dollars. The Lago Petroleum Co., operating in the Lake Maracaibo district, famous for its asphalt, recently placed an order for eight G-E 300-hp. motors complete with control equipment.

Schenectady

X-rays at 900,000 volts, by far the highest voltage ever attained in a tube built for continuous operation, are produced in the giant two-section X-ray tube being built in the Research Laboratory of the General Electric Company, Schenectady, by Dr. W. D. Coolidge, associate director of the laboratory. The tube is to be installed in the New York Memorial Hospital.

Australia

The Methuselah of G-E motion picture lamps has been discovered. The rated life of type T-20, 30-ampere, 30-volt motion picture lamp is 100 hours, but the Australasian Films, Ltd., used one of this type for 580 hours. Although the lamp showed signs of age in its blackened bulb and somewhat crystalized filament, it had not burned out. The lamp is now on display in the show rooms of the Australasian Films, Ltd., and makes, indeed, a fine advertisement for G-E products.

Schenectady

When a dog bites a man, it isn't news; but if a dog is able to do his biting, and at the same time not even touch his victim, the story might reasonably expect to make the front page. This, comparatively speaking, is possible by a recent development in the research laboratories of the General Electric Company. An electric safety device, similar to the type which serves as watchdog for modern banking institutions, has been so perfected that it will start alarms, clanging as soon as anyone approaches it. It is not necessary to touch anything to put the alarms in action, and the device can be adjusted so that it will set a battery of bells to pealing whenever anyone enters the room.

Japan

The first G-E pipe welding outfit to be sold in Japan has recently been ordered through Mitsui and Co., New York. It is designed for the automatic welding of pipe sections up to 20 feet in length, and diameters from 22 to 60 inches. There will be two carriages, each carrying a double welding head, so that four arcs will work simultaneously on the seam.

Cleveland

An ordinary G-E photoflash lamp will emit 500,000 candlepower of light or three times as much light as the world's largest incandescent lamp. But only for one-fiftieth of a second. If the world's largest incandescent lamp, which is in the G-E Nela Park laboratories at Cleveland, were designed for photoflash purposes, it would emit 20,000,000 candlepower of light.

Schenectady

A recent visitor to the "House of Magic," popular term for the G-E Research Laboratories in Schenectady, was Rear Admiral Richard E. Byrd. While inspecting the laboratories, the noted explorer saw television and was himself televised for the first time.

Newport News

The *President Hoover,* new electric Dollar liner, is now nearing completion and her trial run has been scheduled for early in June. Her G-E turbine electric propulsion equipment will give her a maximum speed of 21 knots. On July 27 she will leave New York on her maiden trip to China and return via the Panama Canal. The *President Hoover* will be the first American-built electrically-propelled merchant ship to cross the Pacific.

Rio de Janeiro

Rio de Janeiro has been enthusiastic in its reception of floodlighting for night sports. Two large stadiums have recently been equipped with G-E floodlighting apparatus. The Vasco de Gama stadium, which has a seating capacity of 70,000 people and includes a central field, a running track and a basketball court, is lighted by 66 G-E floodlight projectors. The Fulminense football field is illuminated by 60 G-E floodlighting projectors.

Canal Zone

A government order from the Canal Zone has been secured for 300 G-E water heaters. There has been a considerable demand from this quarter for water heaters and competition is keen. By a slight departure from its standard design, the Edison G. E. Appliance Co., has produced a heater which meets the requirements.

Cuba

Orders received from Havana would indicate that more and more Cuban husbands are enjoying breakfasts and dinners prepared by electric heat. A local lighting company closed a G-E electric range advertising campaign last December and plans to open another shortly. In the meantime, however, orders have continued to come in from householders in such quantities that the company has placed an order for another carload of G-E ranges.

Name Your Sound—Here It Is

Radio Drama Leads to Creation of a Library of Recorded Sounds—From Animal Noises to Street Riots—at WGY



Two Hens Make Their Debut Before the Microphone

"JOE, get me a can of street traffic, and, while you're at it, ask the librarian for a couple hundred feet of ocean surf."

That is the way they will some day be ordering sound at WGY, the General Electric broadcasting station at Schenectady. The technical staff now has facilities to build up a library of sound to meet every need of the play director. If the action of the play takes place at a busy street corner, a photographic production of the sound recorded at a busy corner will be available. If the script calls for the take-off of a single-motor or a tri-motored plane, the sound of either will be on file. The sound of water lapping the sandy shore of an inland lake, the surf at Cape Cod, or the roar of a stormy sea on Maine's rock-bound coast will be found indexed under "water."

Some folks enjoy a concert by singer or orchestra better if the number is followed by applause. It will soon be possible to follow a studio-produced musical selection by applause equal in volume to that accorded the prima donna at the Metropolitan, because the applause at the Metropolitan will be recorded and reproduced when and where desired. However, extreme care must be taken that the record of the gloved-hand Metropolitan applause is not filled in place of prize fight applause.

No longer will it be necessary for an inventor to contrive appliances to simulate sound of locomotive, chickens, dogs, cats, lions, waterfalls, thunder, wind, or street riots. With a portable recorder, WGY will get the sound at the source, keep it canned in storage, and use it over and over again when needed.

The radio drama is put over by sound only. Gesture, make-up or scenery cannot be used to convey action or to delineate character to the listener. Sound, and sound only, registers. It may be the voice of the performer or the sound of a variety of devices which convey realism and promote action. Bells, closing doors, breaking china, etc., all aid both action and realism.

Recently a commercial client, desiring to give talks on poultry, wanted to promote realism by bringing a coop of hens to the studio. It was his belief that the cackle of the hens would give a novel and appropriate background. The hens and lusty rooster were brought to the studio. A plentiful supply of corn was scattered near the microphone. The microphone was connected to the sound recorder and, as the chickens expressed their delight with the corn, every nuance of cluck and cackle traced a design on the film. The rooster was made to crow in the best breaking-dawn fashion. This film has been developed and may now be reproduced as a background for the speaker. The sounds of chicken and Chanticleer are now indelibly recorded and will live long after these birds have passed over the dining table.

Some difficulty was found in making the record as the chickens found the studio surroundings strange and developed microphone fright. In attempting to get them to cluck in natural fashion one of the control men "shushed" them. When that film was developed it sounded like the midnight raid on a hen roost. Corn placed about the microphone was next resorted to, and the hens pecked at the food with enthusiasm. However, when the film was reproduced, the rapid pecking sounded like a Bill Robinson tap dance. The problem was solved by scattering the corn on a felt mat.

They Now Make Golf Club Heads from Textolite

THE development of a special grade of textolite, a molded compound, from which golf club heads may be molded, was announced recently by G-E engineers.

The base of this special grade of textolite is army canvas, or duck, which is interlocked in such a way that there is no definite grain, but a homogeneous structure of great strength and toughness. Weight for weight, it is nearly as strong as mild steel and over forty times as resilient.

It is waterproof and cannot chip or crack. While its softness gives a unique "feel" to the club, its high resilience gives a longer and more easily controlled ball, as has been proved by tests on driving machines and in the hands of a number of professional golfers.

Because these heads are molded in tightly closed steel molds, there is uniformity in shape, lie, weight and balance. Variation in weight is accomplished right in the mold and there is no after-weighing of the club head. Also, there are no after-finishing operations to change the model. The mold gives a beautiful finish and with the club head once scientifically designed, the human element is eliminated from its manufacture.

In order to keep this exact uniformity, the steel shafts are molded integrally with the textolite head, eliminating any drilling and pinning. This results not only in a more durable construction, but insures a more accurate positioning of the shaft with reference to the head.

A Few More G-E Photos



The G-E Research Laboratory in Schenectady combats the water shortage. When the young lady bends over the fountain she intercepts the beam of light focused on a photo-electric tube and the fountain operates. There is no water waste in this arrangement



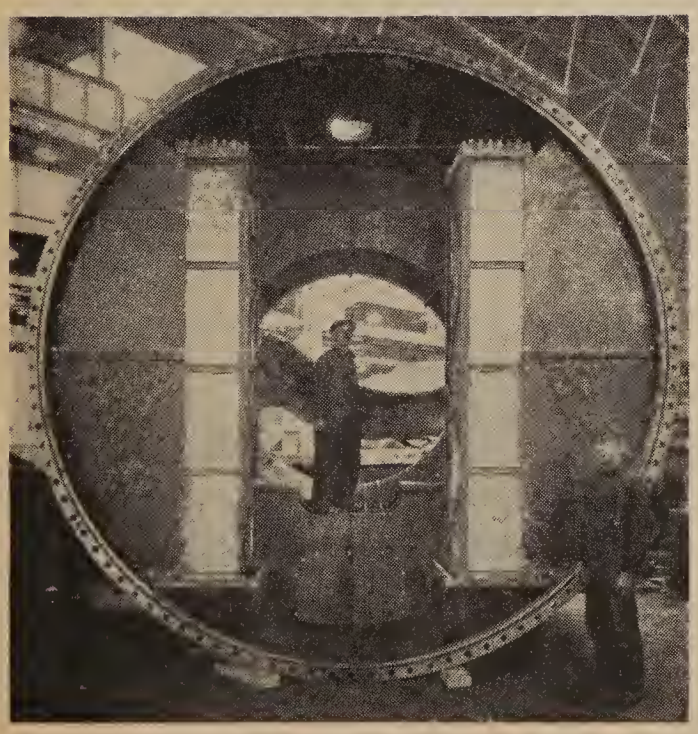
A truck load of facts and figures. A portion of the annual report of the General Electric Company ready for shipment



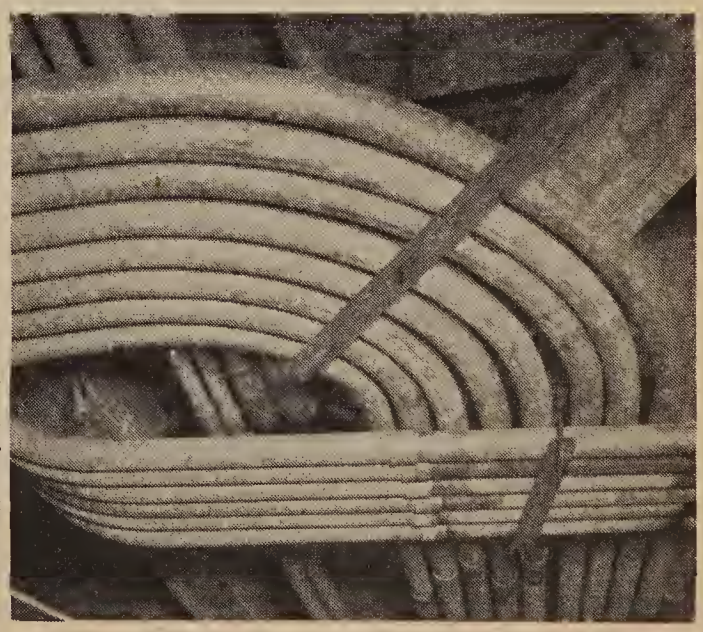
Twelve tons of mail for G-E stockholders. More of the annual report of the General Electric Company waiting to be placed in the mails



This young lady is not playing an organ but is operating the controls of a reversing rolling mill, a job made simple by the G-E piano-type keyboard



A giant surface cooler for a 50,000-Kv-a. hydrogen-cooled synchronous condenser, the largest ever made. The picture was taken in the G-E Schenectady Works



Not long strands of macaroni, but the G-E white condult Installation in the Empire State building in New York City

Summary of Motor Vehicle Regulations

Prepared by the Albert Russel Erskine Bureau for Street Traffic Research, Harvard University

STATES	DRIVING SPEEDS in miles per hour				LICENSE REQUIREMENTS				DRIVING TECHNICALITIES									INCIDENTAL REQUIREMENTS			
						For non-residents						Passing street car prohibited						Report accident			
	Maximum	Residence dist.	Business dist.	Curves and intersections	Driver's	A	B	Minimum age	No passing* on hill or curves	Coasting in neutral prohibited	Unlawful to park on highway	On left	When taking or disc. pass.	Must use hand signals	Full stop at R.R.	Must dim headlights	Spotlights permitted	Person. injury	Prop'y dam'ge	Stickers permitted	Unlawful throw out cigarettes
Ala.	45	20	20	15	No	No	No	16	Yes	Yes	Yes	Yes	*Yes	Yes	Yes	No	Yes	No	No	Yes	No
Ariz.	35	15	10	.....	Yes	No	No	18	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	*Yes
Ark.	35	20	15–20	15	No	No	No	.....	Yes	Yes	*Yes	Yes	*Yes	Yes	Yes	Yes	Yes	Yes	Yes[5]	No	.....
Cal.	40	20	15	15	Yes	No	Yes	14	Yes	Yes	Yes	Yes	*Yes	Yes	No	No	*Yes	Yes	Yes	Yes	Yes
Col.	35	20	15	.....	No	No	No	15	Yes	No	Yes	Yes	*Yes	Yes	No	Yes	Yes	[2]No	[2]No	No	No
Conn.	*	.....	.....	.....	Yes	No	Yes	16	Yes	No	Yes	No	Yes	Yes	No	No	*Yes	Yes	Yes[4]	No	No
Del.	35	25	.....	.....	Yes	No	No	16	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No
D. of C.	30	22	22	.....	Yes	No	*Yes	16	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No	No
Fla.	*	.....	.....	.....	No	No	No	.....	Yes	No	Yes	a	a	No	Yes	Yes	Yes	[1]No	No	Yes	No
Ga.	40	.....	.....	.....	No	No	No	16	Yes	No	No	Yes	*Yes	Yes	Yes	No	Yes	No	No	Yes	No
Ida.	35	20	15	15	No	No	No	.....	Yes	Yes	Yes	Yes	Yes	Yes	*Yes	No	Yes	Yes	Yes	No	Yes
Ill.	45	20	15	12	No	No	No	15	.....	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	.....
Ind.	*	30	20	.....	Yes	No	No	16	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
Ia.		25	15	.....	No	No	No	15	.....	.....	.....	.....	*Yes	Yes	.....	.....	Yes	Yes	.....	.....	.....
Kan.	*	.....	.....	.....	No	No	No	14	.....	.....	.....	.....	.....	.....	.....	.....	Yes	Yes	.....	Yes	No
Ky.	40	20	15	.....	No	No	No	16	.....	.....	Yes	No	Yes	Yes	*Yes	No	Yes	No	No	Yes	No
La.	45	20	20	15	No	No	No	14	Yes	Yes	Yes	Yes	Yes	Yes	Yes	.....	Yes	Yes	Yes	Yes	No
Me.	*	25	25	15	Yes	Yes	Yes	15	Yes	Yes	Yes	No	Yes	No	No	No	*Yes	Yes	Yes	.....	No
Md.	40	25	20	12	Yes	No	*Yes	16	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	No
Mass.	20	12	12	8	Yes	No	*Yes	16	Yes	.....	.....	a	a	Yes	.....	No	*Yes	Yes	No	.....	.....
Mich.	*	20	15	.....	Yes	No	No	14	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No
Minn.	45	20	15	15	No	No	No	15	Yes	Yes	Yes	Yes	*Yes	Yes	*Yes	No	*Yes	No	No	No	.....
Miss.	30	15	15	10	No	No	No	.....	No	No	*No	a	a	No	Yes	No	Yes	No	No	Yes	No
Mo.	25	.....	.....	.....	No	No	No	16	Yes	Yes	Yes	.....	Yes	Yes	.....	.....	aYes	No	No	.....	.....
Mont.	*	.....	.....	.....	No	No	No	.....	No	.....	.....	No	*Yes	Yes	No	Yes	.....	No	No	.....	.....
Nebr.	45	.....	.....	.....	Yes	No	No	16	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	*Yes	No	No	.....	No
Nev.	50	20–25	.....	.....	No	No	No	15	No	Yes	Yes	.....	.....	Yes	No	No	Yes	No	No	Yes	Yes
N. H.	35	20	20	15	Yes	No	Yes	16	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	.....
N. J.	40	20	20	15	Yes	No	No	17	No	No	No	Yes	Yes	Yes	No	No	*Yes	Yes	Yes	No	.....
N. Mex.	45	25	20	15	No	No	No	.....	Yes	Yes	*Yes	.....	.....	Yes	*Yes	Yes	Yes	Yes	Yes[5]	.....	.....
N. Y.	30	20	20	.....	Yes	No	*Yes	16	Yes	Yes	No	Yes	*Yes	Yes	No	No	Yes	Yes	No	No	No
N. C.	45	20	15	.....	No	No	No	16	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	.....
N. Dak.	35	20	15–20	15	No	No	No	.....	Yes	Yes	Yes	Yes	*Yes	Yes	*Yes	Yes	Yes	[1]Yes	[1]Yes[3]	No	.....
Ohio	45	35	20	.....	No	No	No	.....	.....	.....	.....	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No
Okla.	45	.....	.....	.....	No	No	No	.....	.....	.....	.....	No	.....	.....	Yes	.....	No	[2]No	[2]No	.....	.....
Ore.	35	20	20	15	Yes	No	Yes	16	Yes	Yes	Yes	a	a	Yes	No	*Yes	Yes	Yes	Yes	No	Yes
Penn.	40	20	20	20	Yes	No	No	16	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes[5]	No	.....
R. I.	35	20	20	.....	Yes	No	*Yes	16	.....	.....	No	No	Yes	.....	No	No	Yes	Yes	Yes[6]	Yes	.....
S. C.	45	.....	.....	.....	No	No	No	12	No	No	Yes	aYes	aYes	No	No	No	*Yes	No	No	.....	.....
S. Dak.	40	20	15	15	No	No	No	15	Yes	Yes	Yes	a	a	Yes	*Yes	No	Yes	Yes	Yes	No	Yes
Tenn.	*	.....	.....	.....	No	No	No	.....	Yes	No	Yes	Yes	Yes	No	Yes	No	bYes	No	No	Yes	.....
Tex.	45	20	20	.....	No	No	No	.....	No	No	*Yes	.....	Yes	Yes	.....	No	Yes	No	No	Yes	No
Ut.	30	.....	.....	.....	No	No	No	16	Yes	No	Yes	Yes	*Yes	Yes	No	No	Yes	Yes	Yes	No	No
Vt.	*	.....	.....	.....	Yes	No	*Yes	16	Yes	No	Yes	.....	Yes	Yes	No	No	Yes	Yes	Yes	No	No
Va.	45	25	15	25	No	No	No	.....	Yes	Yes	Yes	Yes	*Yes	Yes	No	No	Yes	Yes	Yes[3]	No	No
Wash.	40	25	25	15	Yes	No	No	15	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
W. Va.	35	25	15	.....	Yes	No	No	14	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	No
Wis.	*	20	15	.....	Yes	No	No	16	Yes	No	*No	Yes	Yes	No	No	No	No	No	No	No	.....
Wyo.	*	20	15	.....	No	No	No	15	No	No	.....	Yes	Yes	.....	No	No	Yes	Yes	Yes	Yes	No

*Reasonable and proper

A–To drive own cars
B–To drive cars registered in state visited
*Reciprocal privileges granted certain states

*Where view ahead is obstructed

*Must leave 15-ft clearance for passing

a-City ordinances

*Unless at safety zone

*Where official stop sign is erected

*On wet pavement

*Restricted
a-Not in cities
b-Must be extinguished when approaching vehicle is in sight

[1]When accident occurs in town
[2]Cities require report
[3]When damage is over $10.00
[4]Damage over $25.00
[5]Damage over $50.00
[6]Damage over $100.00

*In forest areas only

Preventable Diseases

By Dr. H. W. Garton
Fort Wayne Works Physician

THE reading public is regaled from so many angles with facts, fancies and fallacies regarding matters of health, that it is not strange that the public mind is in a state of misinformation about many things, and that many disease preventive measures are not fully utilized.

We hear a great deal from city, state and national health authorities and others about the appalling and unnecessary sickness and death rates from certain preventable diseases. These are usually general statements, indicating the neglect of most people regarding these measures of prevention and perhaps are often passed over somewhat lightly by the reader as general health propaganda meant for the other fellow.

There are many agencies which have to do with the prevention and control of communicable diseases. We have city, state and national governmental health agencies whose purpose it is to guard the public health, but in the last analysis, the maintenance of good health is largely an individual matter, a matter of personal hygiene and of personal effort along the line of prevention.

We can better guide our activities and exercise sounder judgment when we are armed with facts. We can make a general statement to the effect that there is still prevalent a sickness rate and death rate too high for diseases which could be prevented. What concrete evidence is there for the truth of this statement?

A survey which is now being made shows the following figures in regard to some of the preventable diseases:

One million persons are sick with malaria each year. Malaria can be prevented, as was shown during the construction of the Panama Canal.

Seven hundred thousand persons are sick with tuberculosis at any one time; most of it preventable.

Thousands of women are sterile or semi-invalids because of gonorrhoea. There is much paralysis and mental disease and there are many handicapped children because of syphilis. All of this is correctable. There are still 30,000 to 100,000 cases of smallpox each year. Smallpox has been a preventable disease for many years.

During 1928 there were approximately 89,000 cases and 5700 deaths due to typhoid fever. This disease was practically unknown in the armies during the World War because of preventive inoculation.

In 1928 there were about 89,000 cases and 8300 deaths due to diphtheria. These are mostly children; the figures remain high from year to year in spite of the fact that diphtheria can be prevented by having children immunized.

These are reliable figures and surely are concrete evidence of the prevalence of preventable diseases. Medical science has developed definite protective measures against smallpox, typhoid fever and diphtheria, yet this report shows the following totals:

1928	No. of cases	Deaths
Smallpox ...	30,000 (minimum)	(Not given)
Typhoid fever	26,000	5700
Diphtheria ..	89,000	8300
	145,000	14,000 (two diseases)

Fourteen thousand deaths from only two preventable diseases is surely appalling evidence that the public in general is either not aware of, or has been careless and negligent in, taking advantage of recent protective measures developed by medical science.

Again I wish to emphasize that individual effort can practically eliminate these needless deaths.

Plans for Developing Carleton Island Postponed

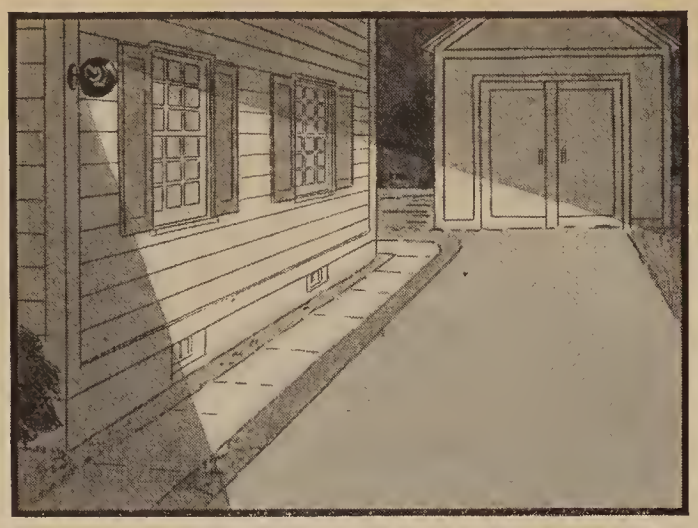
WHEN Association Island became badly damaged by high water and storms the Company purchased a larger and more suitable location, Carleton Island in the St. Lawrence River, and plans for its development for use by the Company's various meetings have been in preparation during the past year. The intention was to complete this new camp for use during the summer of 1932, but because of the present business conditions a decision has been made to postpone for the present all further expenditures in connection with the development of this new island.

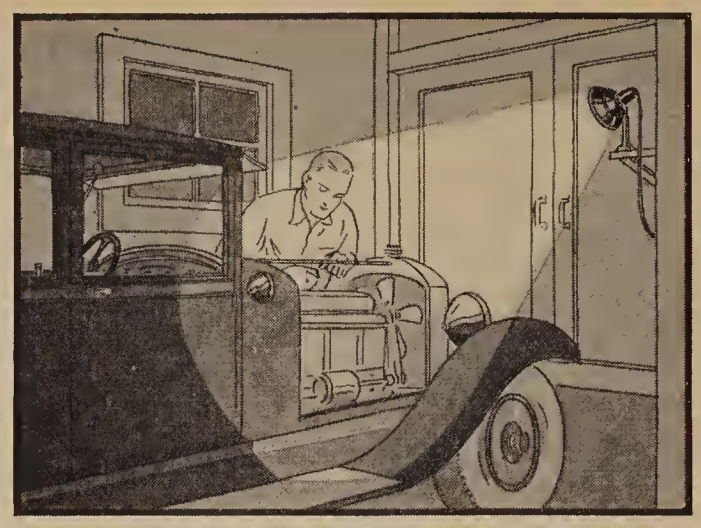
Because of this decision Association Island will continue to be used for such meetings as are to be held in 1931 and 1932. However, the 1931 meetings will be fewer than usual. Camp Incas, the annual summer meeting of the Incandescent Lamp Dept., which was the first meeting held on Association Island 25 years ago—for the first time will be eliminated this year. Other meetings cancelled for this year are: Camp Commercial, Camp Service, and Camp Novalux.

The Touring Season Is On

WITH the return of Spring, comes the touring season. And shortly many G-E employees will start out in their cars on either week-end trips or vacation trips to almost every state in the Union.

For their convenience, we have reproduced on the opposite page, a summary of traffic laws in the various states, through the courtesy of the Albert Russel Erskine Bureau for Street Traffic Research at Harvard University. Ignorance of the law is no excuse, as many people driving outside their own state have learned. When you are planning a trip, find out ahead of time what the regulations are concerning speed laws, licenses, lights, accidents, etc., in the states through which you will pass. It will help you to avoid unnecessary trouble.





G-E General-utility Floodlighting Projector Announced

A 100-WATT general-utility floodlight projector, the Novalux Handy Floodlight, has been announced by the General Electric Company. Much smaller and less expensive than the usual projectors, the new unit is expected to find new fields of application in households, on farms and estates, in and around garages, at wayside and road stands, and in other uses where light requirements do not necessitate the larger, standard floodlighting units.

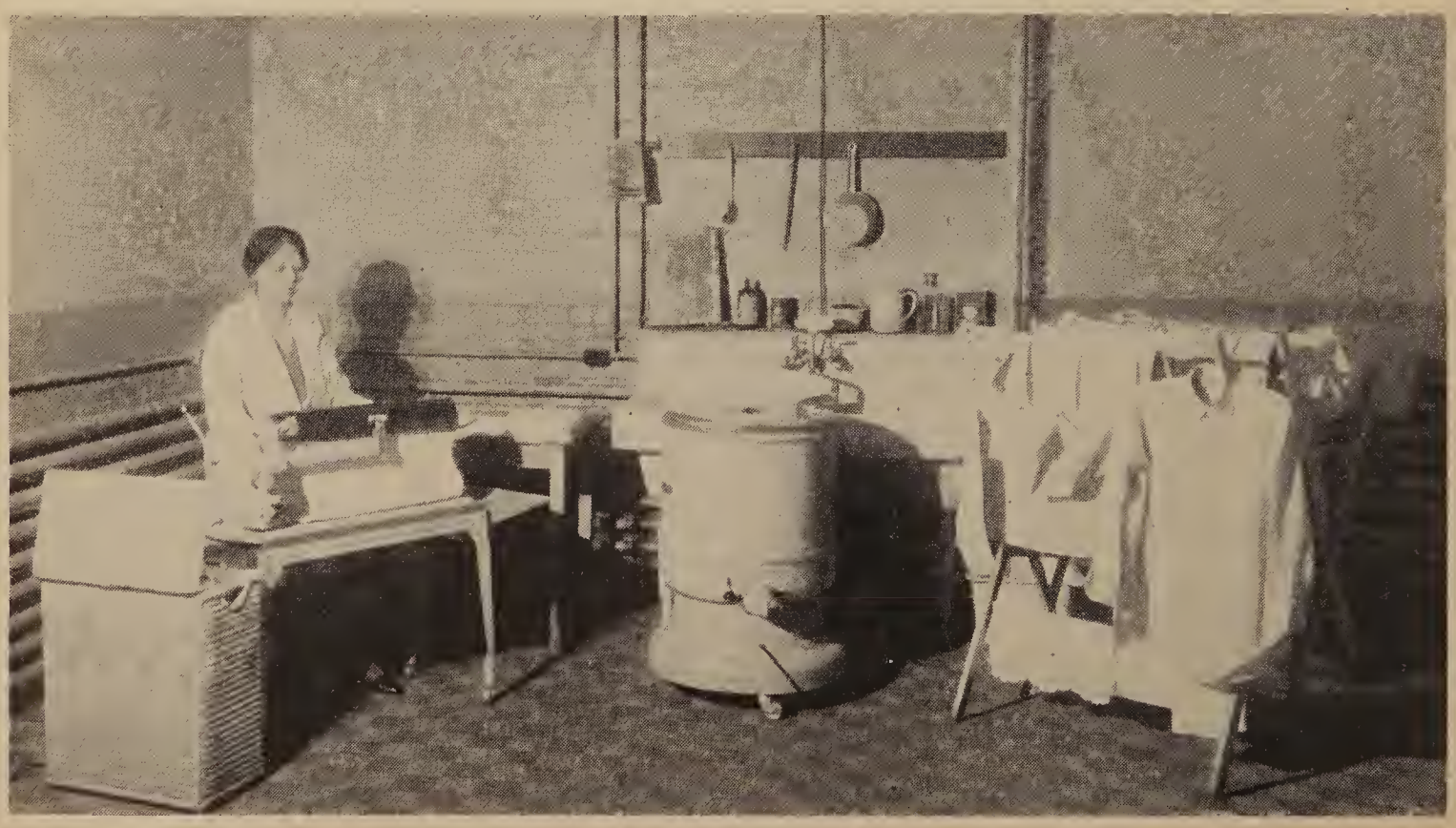
The new unit is composed of a sheet aluminum combination casing and reflector, pressed together with a separately drawn socket-supporting cap over a supporting ring. The socket support, casing-reflector and ring are made substantially integral by the pressing and beading operation. The casing is polished inside, forming the specular surface for reflecting purposes.

The front lens, eight inches in diameter and of heat-resisting, clear, convex glass, is clamped against a gasket fitting in a groove in the reflector, a rolled split clamping ring with nonlosable clamp screw at the bottom engaging two clamp castings riveted to the ring.

A rubber-covered twin-conductor lamp cord is woven through a rubber bushing affixed to the socket-supporting cap to prevent moisture and abrasion of the cord.

The support for the projector is of cadmium-plated steel. Vertical and horizontal adjustments are obtained with wing nuts in the swivel support and base. The projector is finished in dark green baking enamel for the base, swivel support and casing. The clamping ring is aluminum lacquer sprayed, and the clamping bolts and wing nuts are cadmium-plated.

The Handy, light in weight and handsome in appearance, is an enclosed projector for every-night use wherever efficient illumination will protect property, prevent possible accidents, or be of help for work around the garage and premises. It takes a standard, 100-watt, inside-



The New G-E Ironer and G-E Washer in Use

frosted Mazda lamp and can be connected anywhere to your wiring system. It is adjustable at any angle. If you have a country place you can take the Handy with you on trips and find a dozen helpful uses for it. It is a real floodlighting projector, of typical G-E quality, and at a price that is negligible when compared with its practical utility.

Facts About Radio Noises

A FACT-FINDING instrument for the investigation of noises which may affect radio reception and which is of material assistance in trouble hunting has been developed by the General Engineering Laboratory of the Company. The instrument accurately measures the magnitude of noise in terms of microvolts per meter.

The new device, called a radio noise meter, is not to be confused with meters made to measure noises audible to the human ear. This meter records the quantity of noise; generally described as electrical interference, made audible only by radio receivers.

The meter locates the source of the noise and measures its intensity. The need for a measuring instrument has been felt for some time, and efforts to improve radio receiving conditions have been hampered by the lack of a standard testing instrument and a standard of measurement. The noise meter makes possible a comparison of the test results of different investigators; it gives manufacturers of electric apparatus a means for measuring the amount of radio noises created by the apparatus; and the meter also gives an invaluable method of obtaining data upon which fair and reasonable requirements for radio reception may be based.

The radio noise meter consists of two parts, a receiver unit to detect and indicate radio noise, and a calibrating unit to measure the intensity of the noise in microvolts per meter, which is the customary unit of measurement of radio signals.

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of February, 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
1	Jan. 12	Edward M. McSweeney	24	Mother	Yes	Mother	Yes
26	Jan. 14	Olaf Carlsen	65	Sister	Yes	Sister	Yes
5	Jan. 26	Bessie Pompilio	23			Mother	Yes
12	Jan. 26	Luigi Fadrigo	38	Estate	Yes	Estate	Yes
18	Jan. 28	George Kotz	49	Wife	Yes	Wife	Yes
16	Feb. 2	Mary Butcher	36	Mother	Yes	Mother	Yes
13	Feb. 10	William Purzycki	38	Wife	Yes	Wife	Yes
13	Feb. 10	Charles T. Yates	51	Sister	Yes	Sister	Yes
12	Feb. 18	Claude D. Murdock	38	Wife	Yes	Wife	Yes
River Works							
5	Jan. 19	William Thompson	44			Wife	Yes
26	Jan. 28	Robert H. Smith	47	Wife	Yes	Wife	Yes
2	Feb. 9	George R. Jones	28	Wife	Yes	Wife	Yes
35	Feb. 9	William Gordon	60	Wife	Yes	Wife	Yes
5	Feb. 12	John J. Lehmann	40	Wife	Yes	Wife	Yes
West Lynn Works							
10	Jan. 27	Rueben N. Beaver	50	Wife	Yes	Wife	Yes
Pittsfield Works							
21	Jan. 29	Henry P. Rickert	60	Wife	Yes	Wife	Yes
1	Feb. 10	Joseph Zapula	43	Wife	Yes	Wife	Yes
18	Feb. 13	Raffaele Carnevalini	48	Wife	Yes	Wife	Yes
Erie Works							
7	Jan. 26	Tillie R. Pelkowski	23	Mother	Yes	Mother	Yes
Fort Wayne Works							
7	Jan. 24	Lillie T. Wilhelm	54	Husband	Yes	Husband	Yes
Merchandise Dept.							
2	Feb. 2	Antonio Monaco	45	Wife	Yes	Wife	Yes
Philadelphia Works							
11	Jan. 24	Atwood H. Hart	35	Wife	Yes	Wife	Yes
General and District Offices							
14	Jan. 31	Joseph Troy	65	Wife	Yes	Wife	Yes
12	Feb. 6	James M. Littrell	50	Wife	Yes	*	Yes
7	Feb. 19	William R. Jones	30	Mother	Yes	Mother	Yes
I.G.E. Co. and Subsidiaries							
9	1930 Mar. 9	Silveris Cabadilla	36	Wife	Yes	Mother	Yes
Incandescent Lamp Dept.							
30	1931 Feb. 20	Alice L. Shippee	50	Sister	Yes	Sister	Yes
1	Feb. 21	Mary Bellus	24	Mother	Yes	Mother	Yes
G.E. Supply Corporation							
4	1930 Dec. 22	Charles E. Lowery	50	Wife	Yes	Sister	Yes

Employees Retired Under the Pension Plan

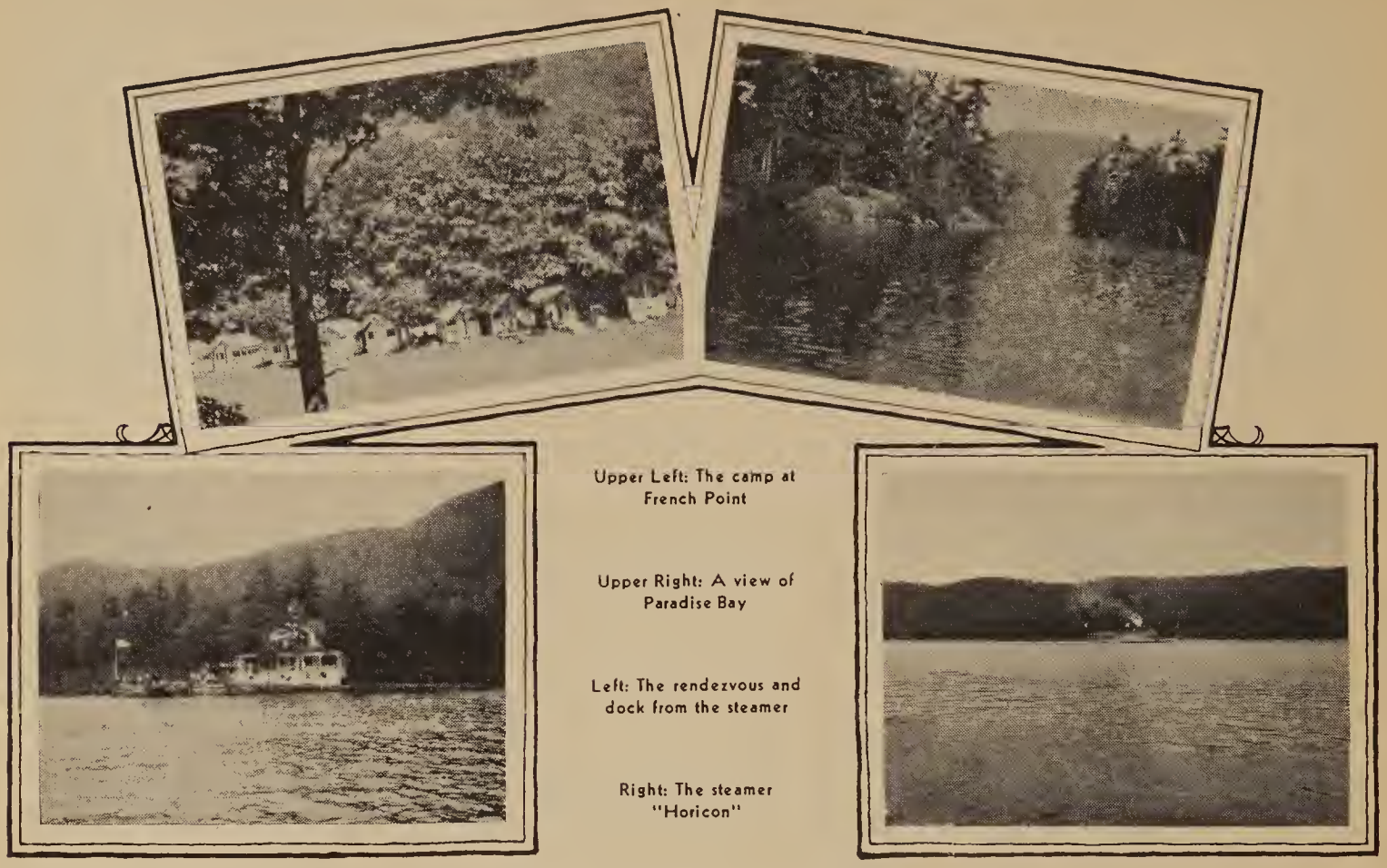
Schenectady Works							
31	1931 Feb. 3	Christian W. Whitmyre	73			Wife	Yes
33	Feb. 5	Frederick W. Weiss	70			Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of February 1931	27	$26,935.00	31	$41,000
Claims previously reported 1931	28	35,614.65	28	48,500
Total claims 2 months 1931	55	$62,549.65	59	$89,500

*Bank as Trustee

(*Continued on next page*)

At and Near French Point Camp



Upper Left: The camp at French Point

Upper Right: A view of Paradise Bay

Left: The rendezvous and dock from the steamer

Right: The steamer "Horicon"

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age		Free Ins.	Add'l Ins.
Schenectady Works						
31	Feb. 11	Garrett V. Baker.....	56			Yes
14	Feb. 14	Joseph DeNovio.....	32			Yes
39	Feb. 18	Henry F. Wege.....	56			Yes
River Works						
7	Feb. 4	Sylvester P. Moriarty..	38			Yes
33	Feb. 11	Charlotte E. Learoyd..	59			Yes
25	Feb. 14	Joseph P. Duggan....	44			Yes
7	Feb. 20	Charles A. Smith.....	49			Yes
29	Feb. 25	Richard B. Hussey....	52			Yes
Pittsfield Works						
21	Feb. 9	Fred W. Carver.....	57			Yes
General and District Offices						
28	Feb. 13	George W. Carter.....	53			Yes
Fort Wayne Works						
10	Feb. 19	William A. Payne.....	33			Yes
Incandescent Lamp Dept.						
3	Feb.	Gladys Chander.....	23	Yes		
Disability claims granted February 1931			1	$800.00	11	$20,000
Disability claims previously reported 1931					8	11,000
Disability claims 2 months 1931.....			1	$800.00	19	$31,000
Total death and disability claims reported since Jan. 1, 1920						$6,964,219.20

French Point Camp to Open Again This Year

THE French Point Camp, the summer camp for G-E girls, located on Lake George at the foot of Tongue Mountain, will be open again this year. The camp has an ideal situation. It can be easily reached by a short trip on a launch from Bolton Landing on the Lake. Yet it is far removed from the dusty roads and noisy crowds. The camp has all facilities for those interested in active outdoor sports, and also for those who merely wish to rest. The season opens July 4 and extends through Sept. 7, and any G-E girls may attend for one or two weeks at a very small cost. The first two weeks in August are reserved for girls of those plants which are to close down for those weeks.

"Wirty" and "Ann," Mrs. Rowell and Mrs. Phillips, will be at the camp again this year, assuring the girls of another successful season. All those interested should get in touch with the camp representatives in the Personnel Depts. at their respective Works, or with the Personnel Dept. in Schenectady.

GIRLS' SECTION

A Record of Elex Events

ONE HUNDRED and fifty Elex Club members made merry at the St. Patrick's Day Party held on St. Patrick's Day in Bldg. 16-2. The supper served at 5:10 p.m. was in keeping with the day and each girl received a green hat as a favor. After the supper the Main Office girls presented the following program:

Community Singing Conducted by St. Patrick.....La Vera Vail
Two Irish Washerwomen:
Mrs. O'Brien.....Lena Shull
Mrs. Maloney.....Henrietta Kase
Old Irish Jig..Monnie Fry & Alice Sorg
Piano Melodies.....Erma Somers
Pat and Mike.....
....Alma Olson and Evelyn Goddard
Reading.....Henrietta Kase
Songs.....Monnie Fry

Leone Stone, Stella Blakely and Gladys Mosshammer acted as ushers.

"Another Skating Party"

A goodly number of Elex members and their friends attended the second Roller Skating Party this season held at Bell's Skating Rink on March 24. There were favors for all, several contests and a grand march also featured the evening's entertainment, and everyone present had a mighty fine time.

Bunny Party

For the meeting of Elex Club members held on April 7 the committee had planned a post-Easter party. Instead of the regular supper served cafeteria style, dainty box luncheons for two people had been packed and these were to be sold at auction with Irene Meyers as auctioneer. Little chocolate bunnies were to be given as favors. To follow the supper hour the plans were for a "1931 Spring Style Show," so dear to the heart of every girl, to be presented by the Charis Corporation.

Card Party

On April 14, Elex Club girls planned to entertain members of the Gym Knit and Dudlo Clubs at a card party to be held in the G-E Gym. An attendance prize was to be given, and also a prize at each table. Special entertainment features were arranged, a light luncheon was to be served, with dancing to follow. The Fractional Hp. Motor Dept. girls had charge of the refreshments and were to serve, while the Executive Committee would act as hostesses.

Future Events

The next regular meeting of Elex Club will be in Bldg. 16-2 on April 21 and the committee in charge of this meeting assures that there will be "April Showers" on this evening.

The Annual Mother-Daughter Banquet will be held this year on May 5 in Bldg. 16-2 and this event, while sponsored by Elex Club, is open to all G-E girls. There will be special decorations, and a program, and no doubt our mothers will all enjoy a dinner which they did not have to prepare.

Weddings

Baumann-Beberstein

Albert Baumann, an employee of the Winding Dept., and Goldie Beberstein, of Decatur, were married March 5 at the U. B. Parsonage. They are now residing at the Baumgartner Apartments on N. 2nd St.

Lister-Ross

Walter Lister, a lathe operator in the Stator Dept., and Helen Ross, of Wren, Ohio, were married Saturday, March 21 at the home of the bride's parents in Wren, and are now residing on 15th St., Decatur.

Pinkham-Dailey

The marriage of Miss Doris Dailey, of the Material List Dept., Bldg. 18-5, and William G. Pinkham, occurred at 7 o'clock on Friday evening, March 27. The service took place in the parsonage of the Third Presbyterian Church with Rev. James L. Chestnut officiating. Mr. and Mrs. Harry Dailey brother and sister-in-law of the bride, were the attendants. After the ceremony a wedding dinner was served at the home of Mr. and Mrs. Harry Dailey, of 732 Florence Ave. For the present Mr. and Mrs. Pinkham will reside at the home of Mrs. Pinkham's parents, Mr. and Mrs. Abner Dailey of 2141 Weisser Park Ave.

Members of the Material List Dept. presented Mrs. Pinkham a Telechron.

G-E Club Girls' Basketball

The G-E Club Girls' basketball team finished their season with a total of 19 games played, winning 10 and losing 9 games. Five games were played on the Club court and 14 on foreign floors, with one victory and four defeats in their local appearances, and nine wins and five losses outside.

Vaughn, Ellenwood and Liggett led in scoring honors, but as a number of games were played under girl's rules only the forwards could score.

The Club girls scored a total of 523 points in the 19 games, to their opponents total of 421.

In the Y.W.C.A. elimination tournament the Wayne Knit girls defeated the G-E girls 33 to 22. Ellenwood and Vaughn led the scoring for the G-E squad. In the consolation tourney the G-E girls defeated Dudlo 65 to 18, and in the final game won from Anthony Wayne girls by a 42 to 29 score.

Summary of scores:

	G	FG	FT	Tot.	PF
Vaughn	19	92	14–43	198	25
Ellenwood	14	53	10–33	116	15
Liggett	16	40	10–26	90	4
DeArmitt	19	31	2–4	64	23
Curie	10	7	0–0	14	8
Wright	16	5	2–3	12	14
Braden	15	4	0–0	8	18
Swank	19	0	1–1	1	39
Beachler	10	0	0–0	0	4
Armstrong	10	0	0–0	0	3

Night School Students to Hold Banquet

STUDENTS of the G-E Night School who have completed the assigned work in their respective courses in one or both of the two terms of the past year will gather in Bldg. 16-2 at 6 o'clock, April 22 for the annual banquet which marks the close of Night School classes. The total of the course enrollments this year was 386 but as some individuals took more than one course the number of individual employees enrolled is somewhat less than the above number. A survey of the records indicates that 83 per cent of the courses started will be completed satisfactorily and diplomas will be awarded accordingly. Rev. Louis N. Rocca, of the Lincoln National Life Insurance Company, will deliver the principal address at this banquet, after which the diplomas will be presented. The banquet is open to all employees who have completed one or more night school courses during the 1930-31 season.

JUNIORS' PAGE

Dear G-E Juniors:

It made me very happy to receive so many nice letters and solutions to the puzzle in the March issue of our WORKS NEWS. The eight articles of food hidden in the picture are: bottle of milk, loaf of bread, egg, carrot, apple, pear, tomato and green bean. The prize winners this time were Richard Jackson and Donald Drake at Decatur, and Dorothy Wyss, Richard Graue, Dorothy De Haven, Lois Jean Stalf and Maxine Hinen at Fort Wayne.

I received letters from Dorothy Gebhart, Maxine Hinen, Eleanor Lash, Arno Schelper, Betty Rose, Donald Everding, Paul Everding, Dorothy De Haven, Clara Brinker, Harold Swank, Dorothy Swank, Bobby Swank, Jack Barney, Eleanor Schelper, Dorothy Wyss, Richard Wyss, Gerald Wyss, Richard Graue, Anna Gligor, Berniece Etzler, Margaret Everding, Betty June Franklin, Lois Jean Stalf, Margaret Christle, Edward Christle, Jerry Christle, Regina Gail Rasor, Arthur Rasor, Mary Crick, Celeste Schwartz, Kathryn Rice, Elmar Devaux, Viola Green and Frances Mee at Fort Wayne, and Richard Jackson, Donald Drake, Johnnie G. Waltke, Robert Lankenau, Catherine Murphy and Esther Fisher at Decatur.

Again this month we have some nice pictures for our Juniors' page.



The little miss so intently playing with her toes is Joy Maxine Wilder. Her aunt, Helen Wilder, who sent us the picture, works in Bldg. 19-4, at the Broadway Plant. Donald Drake sent me the picture of himself and his brothers, Robert and Junior, with their pets. They are Decatur Juniors. Viola Green sent me the picture of herself and her step-sisters, Frances, Iller Mae, Eunice and Mildred Mee and her half-brother Elfate Mee. Daniel Mee, who works in Bldg. 26-1, at the Broadway Plant, is Viola's step-father and brings the WORKS NEWS to all of them. Also Blanch



Robert, Junior and Donald Drake

Irene Cline sent me the picture of herself. Blanch's father works at the Winter Street Plant. I am very glad to have these pictures.

Berniece Etzler and Blanch Irene Cline sent in solutions to the ground-hog puzzle in the February WORKS NEWS, but their answers came too late for us to publish their names in the March issue of the WORKS NEWS. However, we always give credit to correct answers.

On these nice spring mornings the air is filled with the happy songs of birds as they are busily building their nests and hunting bugs and worms to feed the little early baby birds that have already hatched out. In the picture, which is our puzzle for April, you will see a father and mother robin hovering near their empty nest and very much worried because their four little baby birds are not in it. Now, while Mother and Father Robin were away hunting food for them



Jay Maxine Wilder

these little baby robins decided to try their wings, so each one of them flew or tumbled out of the nest and now they are mischievously hiding in the leaves on the tree. Can you find these four baby robins? If you wish you may place a piece of thin paper over the picture and mark the place where you find the baby birdies and send this thin piece of paper to me.

Well, G-E Juniors, you know there are only two more months to try for the big prize which we give to the girl and the boy who send in the most correct answers to our puzzles during the year, for in June we will start a new puzzle contest. Don't fail to send me your solutions to these last two puzzles, for you might win the big prize. I'll be looking for your letters.

Yours sincerely,

Jill



Blanch Irene Cline



Frank Fann



Harry Braden



Richard Seidel

Five Apprentices Receive Diplomas

FIVE students of the Apprentice School have finished their courses during the past two months and have been awarded diplomas. They are F. C. Fann, Harry Braden, Richard Seidel, Martin Hardwick and Bruce Curley.

Frank C. Fann, a brother of George Fann, Bldg. 4–1, who graduated from the electrical tester apprentice course in 1928, took the same course as his brother and received his diploma on Feb. 14. After graduating from the Shelbyville High School he worked for a time for the Deister Machine Company before coming here to take up our apprentice work. He is now employed in the Fractional Horsepower Motor Engineering Dept., Bldg. 18–4.

Harry Braden, who took up the draftsman apprentice course after graduating from South Side High School, also received his apprentice diploma on Feb. 14 and is now working in the Drafting Dept. at Winter Street which is under the direction of F. T. Grothouse.

Richard Seidel, the third graduate, received his preliminary training in the St. Paul's Lutheran schools here before enrolling for the apprentice training. He took the more popular machinist-toolmaker course, receiving his diploma on Feb. 21 and is now employed as a machinist at Winter Street.



Martin Hardwick



Bruce Curley

Mr. Hardwick was born in the Blue Grass State but had his elementary and high school training in the schools of Indianapolis and Pierceton respectively. He took the machinist-toolmaker course and received his diploma on March 7. He is now employed in the tool room Winter Street.

Mr. Curley, whose home has always been in Fort Wayne, had a year and one-half of high school work at South Side High before he enrolled for the Draftsman course. He completed his apprenticeship course March 14 and is now working in the Fractional Horsepower Motor Drafting Section, Bldg. 18-5.

Suggestions

(Continued from page X)

expensive to make the change in design, or in factory methods necessary to produce the saving. If the saving would be used up in the expense of arranging the new set-up and the product itself were not improved by the change, there would be no motive for making the change. For this reason some otherwise ingenious suggestions may not be adopted or if adopted bring the suggestors only small awards.

Ideas relative to the substitution of materials which are as good for the purpose and less expensive, better ways of packing, methods of combining or eliminating machine operations, ways to get more production from a shop tool or machine, ideas which simplify office routine, suggestions of new devices for which there may be a practical need—all may be classified as in the field of possibilities which may bring in handsome awards.

Practice in alert observation of just what, and the way things are being done around us surely is worth anyone's time. Careful observation may give you an idea that is mighty worth while. Our Company needs the best thought that any of us may have to offer in keeping its position among the leaders of the industry and the suggestion system is evidence that General Electric is willing to share with the suggestors the monetary value of the ideas presented.

The suggestion system is one worthy of anyone's intelligence and skill and we commend it to you for the interest you will find in it as well as the monetary award that may come from your ideas which have practical value.

SPORTS

G-E Club Closes Season with Good Record

THE curtain has descended on the 1930-31 basketball stage. The show has been a success. The team has played a total of 27 games during the past season winning 19 and losing 8. Eighteen of these games were played on the home floor and 9 on foreign courts. Some of the best teams in the country, in independent circles appeared here during the past season, including the Cleveland Pennzoils, the Akron Firestones, Olson's Swedes, South Side Turners and Cincinnatti Big Four. The G-E five piled up a total of 829 points to their opponents' 693. Only two of these games were runaways, the one at Fremont, in which the G-E five defeated the K of C's 54 to 25 and in the return game here which the locals won 48 to 17.

Picking the outstanding player of the home team is not only a difficult job but a thankless one. However, we believe Slack should receive special recognition. In the Firestone game, Slack looked equally as good as the famous

The G-E Club Team 1930-31



"Stretch" Murphy. And throughout the entire season Slack has held his own against some tough assignments and we feel that his work was the deciding factor in several games this season. We feel this honor is due Slack as he has not had the previous training nor the coaching that Boots and Evard have had. All of the players worked hard during the entire season both on the floor and in practice and are deserving of all the credit possible. Evard was a continual threat and his 201 points scored was nearly 25 per cent of those scored by the entire team. And Boots' work on defense kept the opponents total as low as it was. Holmes played his usual stellar game and his intercepting of passes featured several contests. Harry Spahr was really the guiding light of the squad. Harry's experience and cool judgment did more toward winning games than any other one factor. Hamilton and Hutchinson also played their parts well.

An All-star Team

Each year we have attempted to pick what we consider an all-star team from the teams that have appeared here during the season. There probably will be differences of opinion but as the team is mythical it really doesn't amount to much. Here is our selection.

Forwards:
Byers—Akron Firestones
How—South Bend Guardsmen
Howard—Cincinnatti Big Four

Centers:
Murphy—Akron Firestones
Turosky—Cleveland Pennzoils

Guards:
Eckert—Cleveland Pennzoils
Burris—Akron Firestones
Hodges—South Side Turners

Honorable mention, Christopher, Straus Says; Wapp, Olson's Swedes; Gilmore, South Side Turners.

Evard led the G-E five in scoring with a total of 201 points for his season's efforts from 78 field goals and 45 free throws out of 58 attempts. Slack scored a like number of baskets but only gathered 12 points from free tosses, giving him a total of 168 points. Holmes, Boots and Spahr followed in order with but four points separating them. The final standing of the players follows:

	G	FG	FT	Tot.	Per.
Evard	27	78	45–58	201	18
Slack	27	78	12–36	168	60
Holmes	27	50	27–43	127	48
Boots	27	43	38–61	124	58
Spahr	26	52	19–47	123	27
Hamilton	22	16	6–10	38	20
Hutchinson	16	15	8–13	38	17

G-E Club, 25—Akron Firestones, 37

The Akron Firestones, one of the leading semi-pro quintets in the country, demonstrated their superiority over the locals in a rather decisive manner in a game played here March 1. The tiremakers, led by the famous "Stretch" Murphy of Purdue and "Lefty" Byers, former Olson's Swedes ace, are a tough nut for any team to crack. The first half was closely contested throughout and ended with the Firestones on the long end of a 14 to 13 count. But all of the visitors, except O'Neill, took a hand in the scoring after the rest period and turned an otherwise fine ball game into a one-sided affair. The feature of the game was the fine all-around work of Slack, who held the usual high scoring Murphy to nine points while scoring six himself. And Murphy did not get more than his share of tips from the local pivot man. "Lefty" Byers as usual crashed through with 13 points. "Lefty" says he likes the Ft. Wayne floor. He should. Anyway it was a good ball game and the better team won.

G-E Club, 26—South Bend, 25

The G-E Club five won a close ball game from the National Guard five at South Bend, March 2 by the closest of margins, 26 to 25. The Benders have a real ball team and with another year should be one of the leading quintets of the state. Led by Johnny How, former Illinois University star, the soldiers present an offense that is a threat at all times. They shoot any time and from any position and if they are hitting it's too bad. Johnny gained 12 points from four baskets and four free throws. The G-E scoring was pretty well divided with Evard carrying off the lion's share with nine points. The game was fast and clean and we repeat South Bend has a fine bunch of boys.

G-E Club, 34—Sandusky Bakers, 18

The G-E Club five took things pretty easy in their game with the Sandusky, O., H and S Bakers here March 12. The Bakers, formerly the Sandusky Big Reds, are an impressive bunch of youngsters but were no match for the more experienced G-E five. The locals piled up a 16 to 6 lead at the half chiefly through their ability to connect on free throws. In the second period Evard returned to his earlier season form and counted five baskets and a pair of free tosses to put the game on ice. With quite a lead the locals let down their defense somewhat allowing the visitors to count several unearned baskets in the closing moments. Grathwoe was the leading scorer for the visitors with nine points, counting all of his team's total during the first period.

G-E Club, 28—South Bend, 24

The G-E five wound up its season with a well-earned victory over the National Guardsmen of South Bend. Again the contest was well played and was anybody's game up to the final moment. The first half ended 14 all. Again Johnny How gave a thrilling demonstration of his ability to shoot while traveling, making guarding almost impossible. The former Illinois star sank seven baskets for his evening's work. And it's a good thing none of his teammates did as well. All of the G-E five took their turn at hitting the net, Spahr leading the attack with four baskets and a free throw. Evard had three and a free toss and Boots counted three baskets. Smith of the visitors and Kizer, brother of the Purdue football coach, both former Notre Dame stars, did not fare so well, the former counting two baskets. All of the locals played fine ball and except for the last five minutes, which was a wild scramble for points, it was a good ball game.

Industrial Basketball

The Mazdas not only won the championship of the Industrial League, in which they were entered as G-E representatives, but also annexed the Y.M.C.A. city basketball championship title by defeating the last survivors in the elimination series.

Although the Mazdas had a rather in-and-out season, getting a late start in team selection and practice and losing the first half play-off, they strengthened for the second round and emerged at the top of the upper bracket teams. After defeating Bowsers, lower bracket winners, the Mazdas went into a three-game series with Wayne Knit, first half leaders.

Mazda took the first game 29 to 27 after the hottest kind of battling, lost the second game by a 29 to 19 score, and nosed out a 16 to 15 win in the last game. These games were attended by a



G-E MAZDA BASKETBALL TEAM

Left to right—Back row: Mossburg, Elward, Fisher, Oman, Virgil, Braden. *Front row:* Corson, Nahrwald, Gamec, D. Hamilton, Manager.



FRAC. MOTORS TEAM—CHAMPIONS INTER-DEPT. VOLLEYBALL LEAGUE

Left to right—Back row: **Roembke, Spath, Johnson, Beer.** *Front row:* **Hodell, Kuttner, Stock, Manager, Hartman, E. J. Graham, Supt. Fr. Hp. Motor Dept.**

large crowd of fans who were treated to plenty of excitement and thrills.

Mazda then defeated First Christian team, which had previously won from Indiana Service, Commercial League champs, and were given the City championship title and Frank Bohn trophy. The team was also awarded the E. A. Barnes, trophy for Championship Industrial League team.

Fisher, floor guard, lead in the individual scoring with a total of 103 points, followed by Corson with 96 and Virgil with 76.

Complete summary of scores:

	G	FG	FT	Tot.
Fisher	18	32	39	103
Corson	18	43	10	96
Virgil	10	27	22	76
Gamec	17	13	9	35
Oman	8	12	10	34
Braden	16	7	5	19
Nahrwald	11	5	4	14
Elward	6	4	1	9
Mossburg	9	3	2	8
Holmes	1	1	0	2
Heater	3	0	1	1

Archery

The recently completed archery range located in Bldg. 4-B is becoming an interesting place to the increasing number taking up this fascinating pastime. The range is 40 yards long, completely equipped with targets and other paraphernalia, and there is ample room for tournaments and lookers-on.

During the past few months the G-E archers have held three meets with arrowmen from Bowsers, winning the first meet by a 1375 to 1145 score, the second by a 2077 to 1864 score, but losing the third meet, 1609 to 1486.

Summary of meets:

G-E	Bowsers	Team	Yards	AS	HPS
1375	1145	4 men	30,40,50	360	3240
2077	1864	4 men	30	384	3456
1486	1609	3 men	30	270	2430

The next meet will be held on the G-E range during the first part of April and there will be some keen competition.

As soon as weather permits 20- and 125-yard ranges will be laid out at the Taylor Street grounds, and plans are now being made to conduct a city-wide tournament.

All employees are eligible for this most recent G-E Club activity; you're welcome at the range any evening, and S. B. Stilwell, Bldg. 19-3, or Esther Moll, Bldg. 21, will gladly explain the game or answer your questions.

Inter-Dept. Volleyball

Fractional Motors team won the Inter-Department volleyball league championship by defeating Winter Street representatives in two out of three games in the last match on the season's schedule. These teams were tied for first place all through the second round, and each had 18 wins and no losses previous to the deciding contest. Winter Street stepped out in the first game and defeated Fractional Motors 15 to 9, but the Motor squad came back strong in the second session to win by a 15 to 1 score and took the third and deciding game by a score of 15 to 9.

Fractional Motors also won the first half schedule with 26 victories and one defeat, having lost to Winter Street in the first match of the season.

The championship team is comprised of Jim Johnson, who has been playing with various G-E teams for a number of years; Harold Spath, also an old-timer; L. W. Kuttner, a veteran of the game and always reliable; L. D. Hodell, who takes his volleyball seriously and would rather play than eat; W. E. Beer, Hodell's set-up man, and one of the best in the league; C. F. Roembke, an outstanding spiker who can keep the game plenty interesting and M. L. Hartman, who is a newcomer to volleyball but is developing into a capable set-up player. E. G. Stock is manager of this array of stars and a player of ability.

The past season is rated as the most successful in the history of the game here, with a large number of new men turning out for the games and some excellent material being developed for future teams.

SEASON STANDINGS

	W	L	Pct.
Frac. Motors	46	2	.958
Winter Street	44	4	.917
Refrigeration	30	18	.625
Main Office	23	25	.479
Apprentice	22	26	.458
Meter	20	28	.416
Drafting	18	30	.375
Transformer	18	30	.375

Inter-Department Basketball

The Apprentice team won the championship title of the Inter-department basketball league and the Albert J. Francis trophy, awarded to the circuit leaders by the late Mr. Francis' wife, Mrs. Carrie L. Francis.

The wearers of the green and white had to travel a hard road to victory as a majority of teams in this year's league were properly classed as tough and a one or two-point win was the usual thing in many of the games.

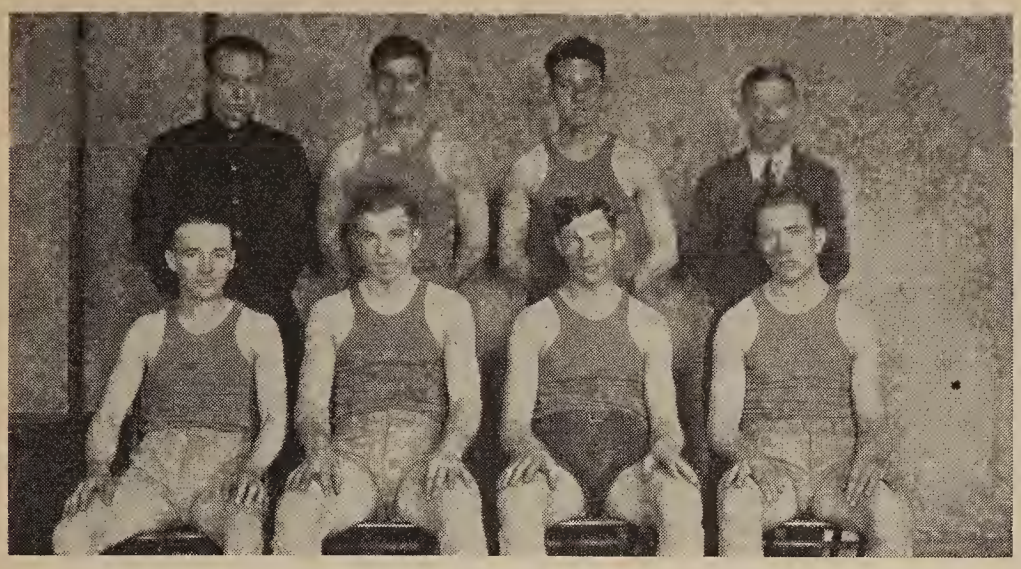
Winter Street and Apprentice were tied for first place at the end of the first round, both having met defeat in the initial period of play, but Apprentice won the play-off and demonstrated that they would be strong contenders for the league title.

The second half was divided between upper and lower bracket teams to provide keener competition and to shorten the season to a reasonable



APPRENTICE TEAM—CHAMPIONS INTER-DEPT. BASKETBALL LEAGUE

Left to right—Back row: **Spahr, Coach, Schible, Lankenau, Keese, W. Wolf, Supt. Appr. Dept,** *Front row:* **Dilling, Paul, Morel, Batzner, Marhenke, Farrell.**



SMALL MOTOR—SECOND DIVISION WINNER—INTER-DEPARTMENT BASKETBALL LEAGUE

Left to right—Back row: **Berghorn, Brockall, Fox, Wm. Weber, Manager.**
Front row: **V. Burnau, Roe, McKee, P. Burnau.**

time. Apprentice went through this round with straight wins, while Small Motor won the lower bracket honors and the right to contend for the championship. In the ensuing play-off Apprentice clearly showed their class by defeating Small Motor 22 to 7, before a large crowd at the G-E Club gymnasium.

This season's league has been very successful. There have been two evenings of games each week, attended by a fair number of fans, and more than 130 players have participated in the activity.

Final standings:

	W	L	Pct.
Apprentice	5	0	1.000
Refrigeration	3	1	.750
Main Office	2	2	.500
Transformer	1	3	.250
Winter Street	0	4	.000
Small Motor	3	1	.775
Squares	2	1	.667
Meter	1	2	.333
General Service	0	3	.000

Golden Gloves Tournament

The Golden Gloves Tournament held at the G-E Club gymnasium during February was a great success. It was originally planned to hold the tournament Feb. 16 and 23 but owing to the large number of boys entered it was found necessary to have a third night, and Feb. 20 was selected. The gym was filled to capacity on the 16th and 23rd and was almost filled the 20th. The following boys won championships in this tournament:

Flyweight	—Wendall Bubp
Featherweight	—Russell Luce
Bantamweight	—Billy Edwards
Lightweight	—Clarence Welsh
Welterweight	—Kenneth Manes
Middleweight	—Van Jenkins
Light Heavyweight	—Cooney Tucker
Heavyweight	—William Noll

Mr. Noll later refused to proceed and permission was secured to take Jack O'Bryan of Angola, in his place.

These boys were taken to Chicago on March 2 and entered in the tournament proper against 20 other amateur teams —a total of 168 boxers in the eight major weight divisions. The fighters were quartered at the Congress Hotel, and the lighter boys fought on that evening with the following results:

Wendall Bubp lost the decision to Joe Krutochoel of Milwaukee. The fight was declared a draw at the end of three rounds and at the end of the fourth round it was necessary for the judges to make a definite decision, which they did against Bubp although the fight was very close.

Billy Edwards defeated Don Dennis of Michigan City after three rounds of the fastest kind of hard fighting. In his second appearance of the evening Edwards defeated Dave Yaras of Chicago, in three rounds. While Edwards did not score a knockout in either fight, his margin was so decisive that a fourth round was unnecessary.

Russell Luce lost to Bruno Kalvenoni of Rockford, Illinois. This was a very hard fought battle which went the full three rounds to the judge's decision and Luce was almost entitled to a draw.

Clarence Welsh lost to Tom Beck of Kokomo by a knockout in the first round. This first round was full of action from start to finish and Welsh was clearly out-pointing his dusky opponent when he stopped a wild swing toward the end of the round which put him down for the count.

The heavier boys did not fight until the evening of March 3. Kenneth Manes lost to William Guide of Davenport, Iowa by a technical knockout at the end of the second round. Manes more than held his own in the first round but during the second round the heavy body blows which Beck was constantly pouring into Kenneth's left side weakened him to such an extent that the referee was forced to stop the fight.

Van Jenkins lost to Ernest Burkhart of Michigan City by a knockout in the second round. The first round was Jenkins' by a wide margin and at the end of the round he knocked Burkhart down for a count of nine and looked like an easy winner. However, he stopped a lucky punch in the second round and way counted out.

Cooney Tucker lost to Rowe Zehms of Chicago by a knockout in the first round. Tucker lacked the experience necessary to stand up under the bombardment fired at him by Zehms, who was a more experienced boxer.

Jack O'Bryan lost to Merrill Tonn of Chicago by a technical knockout in the second round. O'Bryan was a much better boxer than Tonn but lacked the stamina to weather the storm. Jack is rather small for a heavyweight anyway, weighing only 180½ pounds, and was forced to fight a much larger boy with an 85-inch reach, which put him at quite a disadvantage. Nevertheless, he more than held his own during the first round but lost during the last half of the second round.

On March 4 the winners up to that time were re-matched. Billy Edwards was the only survivor of the Fort Wayne contingent and he won from Eddie Gordon of Rockford, Illinois, by a judge's decision after three rounds of the hardest kind of fighting. This was not a showy fight, the boys hammering furiously at each other around the body, but Edwards' superior condition told to the extent that the other boy was practically out on his feet at the finish of the fight and the referee raised Edwards' glove, which meant he had won his way into the finals.

The fights were held in the Coliseum at Chicago, which seats 13,000 people and it was nearly full each night. The first two nights the fights were held in two rings at once. There were 52 bouts the first night, 45 the second and 32 the last night, only one ring being used for the third show.

Harry Hire, president of the G-E Club, watched the boys fight Tuesday and Wednesday evenings. All credit for the splendid showing our boys made is due to Nick Little, boxing instructor of theG-E Club and plans are being made to put a much better team in the tournament next year. The competition in this tournament is very keen as a number of boys are in wonderful physical condition and have been the winners,



ACCOUNTING DEPT. BOWLING TEAM

Left to right—Back row: **George Waldschmidt, William Blomberg.** *Front row:* **Edward Waldschmidt, Herbert Koch, George Yarian.**

in literally dozens of amateur fights in various clubs in Chicago, Milwaukee, Gary and other cities.

Billy Edwards, together with Nick Little, returned to Chicago on the morning of March 11 so that Edwards could fight in the semi-finals of the Golden Gloves Tournament on that day.

He fought Nick Scilabria and in the second round collapsed under a barrage of low blows, some of which appeared to be foul.

Nick who was his second, immediately entered a protest, but this was not allowed and the boys were hustled out of the ring and into the dressing room.

Billy appeared to be severely injured and a doctor's examination indicated that he had been struck low.

He was taken to the Keystone Hospital and remained there all night but was able to leave about noon the next day. According to the referee's decision, he lost on a technical knock-out which ended his participation in the Golden Gloves Tournament. The boy who beat him eventually won the championship and the trip to New York in the bantamweight division.

While neither the G-E Club nor the *Journal-Gazette* filed a formal protest concerning this bout, it did seem too bad that it had to be lost in this fashion. However, Billy is in no way to be censored as he did the very best he could.

SAM NEWLIN, *Chairman*
Boxing and Wrestling, G-E Club.

Heart Breaking Break

Joe Hambrock, one of the regulars at the G-E Club alleys, had to be satisfied with the almost perfect score of 299 in a recent game bowled with Elmer Mesing. After getting 11 straight strikes, Joe started the last ball with extra care but a contrary ten pin kept him out of the Bowlers' Hall of Fame.



Joseph Hambrock

Bowlers Blizzard Bound

The G-E Girls' Bowling Team rolled into third place in the All-American tournament at Chicago and two of the team members placed well up in the money in the singles events.

Of course the girls would have to pick the day of the big blizzard to drive to Chicago. That snow storm would have tried the soul of a Swiss mountaineer—and Erma is no SM, if you get what we mean. Anyway, after frequent stops to clear the windshield and engage in a lot of very good-natured advice all around, they gave up the attempt at Columbia City and proceeded by train.

Erma Lackey rolled a total of 556 for fifth position in the singles and Anita Rump placed sixth with a total of 550. Bessie Lyons and Miss Klingenberger also shot high totals of 479 and 482 but did not get in the prize list.

There were 1600 entries in the singles competition, while 64 teams contested for prizes.

Bowling

Foremen's Association League

TEAM STANDING

	W	L	Pct.	Ave.
Transformer	12	5	.667	883
Fire Dept. Hose	12	6	.667	860
Meter	11	7	.611	878
Small Motor	11	7	.611	860
Water Cooler	10	8	.556	865
General Service	10	8	.556	854
Refrigeration	9	9	.500	863
Tool Supply	8	10	.444	868
Fire Dept. Nozzle	8	10	.444	832
Duplex	7	11	.389	863
Inspection and Test	6	12	.333	838
Wire and Insulation	4	14	.222	841

HIGH TEAM SCORE

One Game—Fire Dept. Hose, 975.
Three Games—Fire Dept. Hose, 2787.

INDIVIDUAL AVERAGE

	G	Ave.		G	Ave.
Harkenrider	78	192	Weitzman	75	157
Buuck	78	185	Thiele	84	156
Grimme	69	178	Bienz	81	155
Bell	30	176	Kabisch	66	154
Haberkorn	33	176	Aumann	75	154
Tobias	63	175	Hire	51	154
Foellinger	78	174	Kissinger	81	153
Boyce	69	173	Platt	84	150
Long	48	172	Mueller	66	150
Bennigan	72	169	Sivits	81	150
Bunting	78	169	Kammeyer	72	150
Prince	81	168	Meyers	84	148
Szink	84	168	McAtee	84	148
Schwartz	84	166	Wiedelman	66	148
App	81	164	Eylenberg	15	148
Garihan	78	164	Hart	84	147
Franke	12	164	Glusenkamp	75	147
Walt	57	164	Kruge	72	144
Kelsey	72	163	Hoffman, F.	30	144
Holloway	81	163	Harrigan	81	143
Nahrwold	81	162	Steinbacker	45	142
Hoffman, R.	54	161	Gollmer	65	141
Schild	69	161	Knocke	69	138
Hermely	78	161	Anderson	60	138
Skevington	81	160	Tuttle	81	135
Schafenacker	81	159	Simpson	63	130
Rockhill	69	159	Banks	66	129
Herney	84	159	Sordelet	51	125
Hell	72	158	Schwartzkopf	84	126
Bobay	75	158	Wolf	39	104

Bldg. 21 League

	W	L	Ave.
Employment	21	15	616
Industrial Service	19	17	598
Medical	18	18	614
Wage Rate	14	22	595

HIGH IND. SCORE

One Game—Arnold, 229.
Three Games—Einsiedel, 585.

HIGH TEAM SCORE

One Game—Ind. Service, 717.
Three Games—Medical, 2056.

FINAL STANDINGS

	G	Ave.		G	Ave.
Einsiedel	36	182	Hench	33	149
Garton	36	175	Bullerman	33	148
Witte	36	167	Bauman	30	147
Fox	30	162	Hockett	27	145
Melching	36	159	Miller	36	138
Arnold	36	152	Hoffman	33	134
Freeman	33	152	Nash	27	129
Swager	36	150	Rastetter	30	120

Office League

TEAM STANDING

	W	L	Pct.	Ave.
G-E Squares	20	10	667	796
Material List	16	14	.533	804
Club Orchestra	16	14	.533	739
Frac. Hp. Sales	14	16	.467	727
Plant Construction	13	17	.433	791
Accounting	11	19	.367	848

HIGH TEAM SCORE

One Game—Material List, 1047.
Three Games—Accounting, 2773.

HIGH INDIVIDUAL SCORE

One Game—H. Koch, 254.
Three Games—H. Koch, 682.

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
H. Koch	56	190	J. Hawk	39	153
R. Roeger	60	177	O. Blakenb'er	60	151
E. Waldsch'dt	56	175	A. Weis'b'ger	60	150
L. Hemphill	59	173	G. Yarian	60	149
G. Waldsch'dt	60	172	R. Billings	60	149
P. Dannecker	60	170	H. Reinking	60	149
M. Byrne	54	167	P. Dale	42	147
W. Blomberg	60	166	C. Kingsley	57	146
B. Fisher	60	162	W. Stroehle	57	146
D. Shultz	60	161	R. Soughan	60	143
H. Wade	60	160	R. Ditton	60	142
W. Reed	60	159	J. Fagan	57	142
W. Doan	57	158	A. White	60	133
H. Shannon	57	157	R. Kelker	58	121
D. Geary	60	154	B. Pearson	60	116

Meter League

TEAM STANDING

	W	L	Pct.	Ave.
Gears	13	2	.867	854
Covers	10	5	.667	881
Registers	10	5	.667	864
Discs	9	6	.600	848
Terminals	8	7	.533	853
Magnets	8	7	.533	853
Elements	8	7	.533	849
Bases	7	8	.467	857
Leads	6	9	.400	859
Seals	6	9	.400	842
Jewels	3	12	.200	818
Pivots	2	13	.133	815

HIGH INDIVIDUAL SCORE

One Game—Hoelle, 248.
Three Games—Stewart, 658.

HIGH TEAM SCORE

One Game—Bases, 1044.
Three Games—Covers, 2822.

	G	Ave.		G	Ave.
Jackson	78	199	Witherow	66	166
Stewart	60	198	Sexton	78	166
Knoll	75	195	Didier	75	166
C. Rump	72	190	Mettler	66	165
Bushing	81	185	Schafenacker	81	164
Dreyer	75	184	Bauer	63	164
E. Kammeyer	81	181	Kimmel	6	163
Hueber	72	180	Castor	75	161
Lawrence	81	179	Beitel	75	161
Reitdorf	78	178	Molthan	72	161
Jacobs	75	178	Fisher	72	160
V. Rump	78	177	Payton	69	159
Nieman	81	176	George	81	159
Voorhees	54	176	Ridgley	15	159
Allen	33	176	Laubenstein,	78	158
Weick	63	176	Stoup	81	158
Knock	75	175	Schwalm	81	157
Snyder	81	175	Sordelet	81	157
Thompson	36	174	Spade	75	156
Haberkorn	72	174	Winstel	66	156
Heine	69	174	F. Kammeyer	66	155
Greek	78	172	Hermely	72	154
Schwartz	81	172	Koehlinger	81	152
Hoelle	6	172	R. Kammeyer	78	151
Evans	61	171	Moellering	81	150
Caston	36	171	Hambrock	12	150
Schoenlein	77	170	McCoy	78	149
Johnson	81	168	Payne	75	144
Wood	45	168	Adams	75	141
Geisler	81	167	Freehill	81	136

Transformer League

TEAM STANDING

	W	L	Pct.	Ave.
Radios	23	7	.767	822
Bells	19	11	.633	804
Toys	17	13	.567	798
Signlighters	14	16	.467	783
Capacitors	14	16	.467	775

Potentials	12	18	.400	773
Ignitions	11	19	.367	791
Oiltesters	10	20	.333	768

HIGH INDIVIDUAL SCORE

One Game—Cox, 290.
Three Games—Cox, 693.

HIGH TEAM SCORE

One Game—Toys, 933.
Three Games—Toys, 2623.

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
Cox	69	194	Harshman	66	155
Kopp	60	193	Fultz	45	154
Tagtmeyer	69	186	Bradley	66	153
Kronmiller	57	176	Chadwick	60	152
Fryback	69	174	Lantz	63	150
Williams	69	173	Staehle	48	149
Cook	68	173	Sommers	69	148
Schlatter	63	173	Vance	69	147
Zelt	69	169	Feighner	69	147
Gallmeyer	69	169	Redding	63	146
Fink	69	168	Garta	63	142
Magers	30	166	Law	69	140
Gargett	51	165	Moyer	66	140
Richey	60	162	Champman	27	140
Meeker	66	161	Tharp	54	139
Schurenberg	69	159	Gildea	45	133
Adams	12	157	Stonehill	69	131
R. Leitz	60	156	E. Leitz	24	131
Rice	69	156	Hansel	30	127
Weick	60	156	Wickliffe	57	125

Small Motor League

TEAM STANDING

	W	L	Ave.
No. 11	12	6	847
No. 12	11	7	861
No. 5	11	7	838
No. 2	9	9	852
No. 7	9	9	852
No. 6	9	9	842
No. 10	9	9	836
No. 4	9	9	832
No. 8	8	10	839
No. 9	8	10	835
No. 1	7	11	830
No. 3	6	12	828

HIGH TEAM SCORE

One Game—No. 1, 978.
Three Games—No. 7, 2613.

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
Quinn	81	192	Gitter	27	163
Kammeyer	42	186	Schwalm	36	163
Franke	75	185	Ranck	84	163
Rapp	69	180	McKee	45	162
Heinley	60	180	Graham	81	158
Cochoit	57	179	Walt, R.	75	157
McCullough	84	178	Riley	30	156
Tobias	48	177	Stute, E.	48	154
Kromm	84	176	Wilson, V.	81	153
May	81	176	Kroeger	60	153
Joseph	84	175	Cooper, P.	81	153
Daley	84	174	Kline	84	152
Nicole	42	174	Agler	57	151
Straub	66	173	Lash	84	150
Wyss	51	172	Gibson	63	149
McKering	84	171	Miller	84	147
Meyer, J.	84	171	Koogle, H.	54	146
Reiter	75	169	Koogle, P.	48	145
Frauhiger	30	169	Marsh	69	144
State, A.	84	169	Hartman, M.	66	142
Cooper, G.	78	168	Archibold	84	142
Hott	81	167	Auer	72	139
Stahl	39	167	Sible	12	139
Meyer, O.	45	167	Heuer	78	138
Walt, W.	57	166	Batson	66	138
Kirkendall	81	165	Vachon	63	138
Rose	42	165	Wagner	45	124
Hartman, G.	78	165	Wilson, F.	78	123
Larimore	84	164	Sroufe	69	118
Archer	84	163	Lhamon	81	112

Apparatus League

TEAM STANDING

	W	L	Pct.	Ave.
Engineering	23	10	.697	821
Frames	21	12	.636	823
Brackets	19	14	.575	825
Print Press	19	14	.575	789
Bases	17	16	.515	810
Edgewise Coils	17	16	.515	805
D-c. Fields	17	16	.515	795
Cost	16	17	.484	798
Switchgear	16	17	.484	797
A-c. Coils	15	18	.454	786
Armatures	11	22	.333	782
Test	7	26	.212	781

HIGH TEAM SCORE

One Game—Brackets, 971.
Three Games—Frames, 2718.

HIGH INDIVIDUAL SCORE

One Game—C. Johnson, 266.
Three Games—V. Blomberg, 687.

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
J. Schafer	66	192	A. Ulmer	66	158
A. Blomberg	66	185	C. Foultz	66	158
C. Dicke	41	185	H. Wirick	63	157
L. Larenitis	58	182	C. Johnson	63	156
C. Johnson	66	180	J. Momper	63	155
C. Huge	33	180	G. Telley	60	155
H. McAtee	27	179	C. Engleman	57	155
E. Reese	63	179	W. Wehrs	63	154
W. Hoke	66	178	A. Anderson	27	153
L. Cunningh'm	63	177	S. Head	57	151
V. Blomberg	30	177	W. Weikart	66	153
J. Laisure	59	175	J. Henry	63	151
C. Zeig	63	174	J. Yates	33	150
E. Zollinger	66	173	E. Koch	66	150
H. Borchelt	66	171	C. Strodel	51	148
G. Plaisted	60	168	N. Prince	59	146
I. Kellogg	66	167	E. Braun	60	146
W. Starke	48	167	T. Koorsen	59	146
T. L. Wallace	63	167	F. Brown	33	145
A. Braun	66	166	P. Scotten	66	145
G. Kaade	62	164	R. Smith	63	144
B. Bushong	63	164	E. Downie	33	144
J. Crowe	66	163	F. Cooper	57	143
C. Moffatt	63	163	H. Hickman	66	143
W. Hoelle	48	163	C. Enslen	60	141
W. W. Whomsettler	63	160	H. Mueh'brk	60	140
L. Patton	60	159	P. Bohn	33	137
C. Barracks	24	159	J. Rogers	48	136
M. Evers	66	159	C. Brenner	64	129
K. McDougal	54	158	W. Kellerm'er	30	124



Basketball Teams Given Banquet

On March 30, members of the Decatur G-E Club basketball team and the reserves were guests at a banquet arranged by the Decatur G-E Club officers in appreciation of the good showing the boys had made on the hardwood court during the past season. The banquet was served in the club rooms at the Plant and William Kohls, club president, acted as toastmaster. All members of the team were called on for remarks but the official response for the team members was presented by Robert Strickler who in his address emphasized the importance of individual, team and public spirit on the part of the team members in order to accomplish the utmost in success from any form of athletic activity. Following the formal talks of the evening there was a round-table discussion of athletic activities in general in which thought was given to possible club activities in the coming outdoor season.

The basketball team members who were present were: Carl Smith and Andrew Hilton, managers; Robert Hill, Robert Strickler, Ivan Reynolds, Richard Engle, and Jeo Bierbaum of the regulars; William Lindeman, Capt.; Aloysius Schneider, Luther Brokaw, George Womac, Robert Zwick and Carl Kohne of the reserves. Horton, coach and guard of the regulars, and Bell, forward of the regulars, were sick and could not be present at the banquet. The Club was represented by the following officers and members of the, Board: William Kohls, William Heim, Chester Kleinknight, Dorothy Johnson, Bert Gage, E. W. Lankenau, Richard Stonebrunner, Miriam Gerke and Lhonas McIntosh.

Band Starts Practice

IN MARCH the members of the Decatur G-E Band started regular rehearsals once each week in preparation for the outdoor concert season and the municipal concerts expected to start in either June or July. The rehearsals are now being directed by the band's new conductor, David Rice, who succeeds Joseph Danner, resigned. Mr. Rice, who is also instructor on wind instruments at Decatur High School and conductor of the High School Band, has had many years of professional experience in band work, first as a member of a Regular Army band, thence as clarinetist with the famous K. L. King's Band of Oskaloosa, Ia., and finally as band instructor in the East before taking up residence in Decatur two years ago. There are now 25 members regularly enrolled in the Plant Band and rehearsals are held in the club rooms at the Plant.

Gecode Girls Hold St. Patrick's Party

ON MARCH 11, the members of the Gecode Club had a jolly dinner party together in the Plant club rooms. Special decorations and features of the party, significant of St. Patrick's Day, were carried out in green and white with shamrocks and green candles forming the keynote. An excellent four-course dinner was served. Following the dinner, bridge was played, the prizes for the evening being won by Miriam Gerke and Josephine Anderson. Fern Passwater and Katherine Hyland composed the committee in charge.

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MERCHANDISE DEPARTMENT

GENERAL ELECTRIC COMPANY

BRIDGEPORT, CONNECTICUT

RM-411



The GE Works News

May 15, 1931

To Employees of Fort
Wayne Works:

You will all be interested, I am sure, in this announcement that on June 13 next, after many years of faithful service, and having attained pensionable age, E. A. Barnes, general superintendent of these Works, at his request will retire from active service with the General Electric Company.

In this long period of service Mr. Barnes has had a wide and intimate acquaintance with the personnel of this organization and has rendered a valuable service in his sympathetic treatment of the many problems of industrial relationship arising therefrom.

While we regret that Mr. Barnes' official service with us will be terminated as of June 13, I am sure that all of his friends in this organization join me in congratulating him upon the completion of his contribution to the upbuilding of these Works, and the hope that he may still enjoy many years of health and happiness.

W. S. Gole

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 May 15, 1931 No. 5

246 Diplomas Granted to Night School Students

THE enrollment in our G-E Night School during the past season undoubtedly was less than it might have been had our Plants here been working with normal forces and on full time. It was inevitable that the irregular work of many should interfere with their educational programs, therefore, the 246 individual diplomas awarded for satisfactory completion of Night School courses during the year is considered very satisfactory under the conditions which have existed.

Of unusual interest the past season was the action of a group of engineers employed at the Winter Street Plant in enrolling for a special course in advanced calculus, and the application of Elex Club girls for a course in grammar. There were 10 enrolled in the advanced calculus class at Winter Street Plant, the course being presented by P. B. Cox, Apprentice School instructor. The Elex grammar class enrollment also was 10 and the class was directed by Marian Ingham, instructor in English at Central High School.

Inspection of the list of students and the courses taken shows that two men employed at Winter Street Plant each carried through the work of four courses and were granted diplomas accordingly. They are Clifford Eshelman, who works under Mr. Gettys, and George Whitesel, who works under Mr. Kelsey. Several different men completed as many as three courses during the season and a greater number received diplomas in two different courses. In this latter group are included 16 women employed at the Broadway Plant. Decatur employees are too far removed geographically to make it possible for them to join any of the classes held here at Fort Wayne.

The list of Night School students who received diplomas is as follows:

Virgil Alderson, 4-1, Mech. Drwg. Pt. 1; Russell Alexander, 27, Mech. Drwg. Pt. 1; Maurice Allen, Winter St., Mech. Drwg. Pt. 1; Walter B. Alexander, 4-3, Arith. and Blueprint Reading; William P. Altekruse, 20-1, Public Speaking; Harold Amstutz, 17-2, D.C. Elect.; Orton B. Anderson, 19-4, A.C. Elect.; Charles R. Atkinson, 19-3, Int. Calculus; Genevieve Ayers, 17-2, Arith. and Blueprint Reading; Wilmer J. Bardonner, Winter St., Int. Calculus; Bertha S. Baxter, 4-2, Elem. Typing; Violet Beebe, 19-4, Elem. and Adv. Typing.

Charles L. Beeler, 4-3, Algebra Pts. 1 and 2 and Mech. Drwg. Pt. 1; Wallace E. Beer, 2-3, Mach. Shop Prac.; Henry J. Beckman, 26-5, Arith. and Blueprint Reading; Elizabeth Bennett, 4-2, Elem. and Adv. Typing; Albert E. Bertsch, 4-1, Arith. and Blueprint Reading; Marguerite Blotkamp, 18-1, Bus. English and Adv. Typing; Arthur J. Blume, 17-4, Public Speaking; Arthur W. Bireley, Winter St., Int. Calculus; J. H. Breidenstein, 19-5, Public Speaking; Raymond Bobay, 4-2, Mech. Drwg. Pt. 1; Ethel Brown, 26-2, Adv. Typing.

Lawrence Boerger, Winter St., Mach. Shop Prac.; Fred Borcherding, 26-5, Arith. and Blueprint Reading; Ray Bowers, 17-2, Algebra; Ruth Hobbs, 18-2, Comptometry; Clifford Bowman, 12-2, Elem. Calculus; Bernard Brake, 4-1, Algebra; Frank Brohman, 17-4, Algebra; Alfred Busick, Winter St., Mach. Shop Prac.; Charles Burkhart, Winter St., Mach. Shop Prac.; Arlynn Call, 17-3, Comptometry; Fred Campbell, 2-3, Mach. Shop Prac.; Joseph Carrier, Winter St., Arith. and Blueprint Reading; Ida Chester, 2-3, Elem. and Adv. Typing; Arthur C. Churchman, 19-2, Public Speaking; Rudolph Claymiller, 26-3, Mach. Shop Prac.; Wallace Clayton, 12-2, Elem. Calculus.

Harold H. Coleman, Winter St., Algebra; Lela Conrad, 18-2, Comptometry; Leona E. Cooper, 17-2, Elem. Typing; Ralph Craig, 26-B, Public Speaking and Algebra; Ruth Crawford, 17-2, Elem. Typing; Gladys Crick, 4-2, Comptometry; William H. Crouse, 17-2, Mach. Shop Prac.; Public Speaking and Bus. English; Clyde Crow, 4-3, Algebra; Dorothy Cullen, 17-2, Comptometry; Clayton T. Culver, 17-2, Mach. Shop Prac.; Inez Cusack, 4-2, Elem. Typing and Adv. Typing; Ray E. Davis, Winter St., Comptometry, Elem. Typing and Adv. Algebra.

Elmer C. Davidson, 2-3, Public Speaking; John E. Deahl, 43, Public Speaking; Edson Dickey, 12-2, Elem. Calculus; Lloyd J. Dockal, Winter St., Int. Calculus; Walter Dolby, Winter St., Arith. and Blueprint Reading; Virginia Douglas, 26-2, Elem. Typing; Jerome C. Duryee, Winter St., Int. Calculus; Arthur Duhamel, 26-1, A.C. Elect.; Ralph Ecenbarger, Winter St., Mech. Drwg. Pt. 3; Ogden Edens, 12-2, Elem. Calculus; James Ehresman, 12-2, Elem. Calculus; Chester A. Ellis, Public Speaking 2 terms.

Leonard A. Erickson, 2-3, Public Speaking 2 terms; Clifford Eshelman, Winter St., Mech. Drwg. Pt. 2, Algebra, Gear Design and Mach. Shop Prac.; Don Eichhorn, 26-2, Arith. and Blueprint Reading; George F. Ely, 20-1, A.C. Elect.; James C. Estes, 27, Trigonometry; Joseph E. Faker, 26-1, D.C. Elect.; Melvin Faust, 12-2, Elem. Calculus; Clarence Felger, Winter St., Algebra and Mech. Drwg. Pt. 1; J. Wesley Felmlee, 17-1, Public Speaking; Ralph Fishback, 2-3, Mach. Shop Pract.; Ethel Fox, 26-2, Elem. Typing.

Clara Frede, 19-5, English Grammar; Elsa Frede, 19-4, English Grammar; Elida Fries, 26-5, English Grammar; Thomas L. Freeman, 26-1, D.C. Elect.; Jessie Filler, Comptometry and Adv. Typing; Norbert Gase, 17-2, Arith. and Blueprint Reading and A.C. Elect.; Glenn A. Glassett, Winter St., Trigonometry and Mech. Drwg. Pts. 2 and 3; Estel L. Grier, 4-1, Algebra Pt. 2 and Mech. Drwg. Pt. 2; Harold E. Garrett, Winter St., Int. Calculus; Warner Grim, Winter St., Arith. and Blueprint Reading.

Gertrude Grimes, 18-2, Comptometry; Ralph Guenther, 12-2, Elem. Calculus; Alva A. Hagy, 4-3, Drwg. Pt. 1; Ray B. Hamilton, 26-1, A.C. Elect.; Robert Hamm, Winter St., Algebra and Mech. Drwg. Pt. 2; Harland Harris, Winter St., Mech. Drwg. Pt. 3 and Gear Design; Mildred Harber, 17-2, English Grammar; Clarence Hartman, Winter St., Public Speaking; Kurt Harz, 4-2, Algebra and Mech. Drwg. Pt. 3; Robert Hermely, 26-4, Public Speaking; Darreld Hirschfelder, 26-1, Algebra Pt. 2 and Mech. Drwg. Pt. 3.

Frank R. Hoffman, 26-5, Public Speaking; Lester W. Hofstetter, 17-2, Arith. and Blueprint Reading; Conrad Hohnholz, 4-5, Arith. and Blueprint Reading; Richard J. Holzworth, 17-2, Algebra Pt. 1 and Mech. Drwg. Pts. 1 and 2; Robert Hosler, 27, Mech. Drwg. Pt. 1; Richard Owen Hower, 12-2, Elem. Calculus; Ralph B. Howley,

4-B, Arith. and Blueprint Reading; Edward Johnson, Winter St., Comptometry and Elem. Typing.

James V. Johnson, 2-3, Mach. Shop Pract.; Paul J. Johnson, Winter St., Int. Calculus and A.C. Elect.; Harold Kelsey, 16-3, Algebra; Alton R. Kissinger, 4-5, Public Speaking; Theron J. Kitchen, 4-1, Mech. Drwg. Pt. 1; Lawrence Klaren, 26-2, Arith. and Blueprint Reading; Edmund Klausing, Winter St., Algebra and Mech. Drwg. Pt. 1; Alfred Kulschback, 4-5, Business English; Leo W. Kuttner, 2-3, Mach. Shop Pract.; Galen E. Krieg, Mech. Drwg. Pt. 1; Walter Kryder, 17-2, Arith. and Blueprint Reading; Hubert W. Ladig, Winter St., Mech. Drwg. Pts. 1 and 2; Katherine M. Laramore, 4-3 Arith. and Blueprint Reading.

Bernadette Lantz, 17-2, Elem. and Adv. Typing; Harold F. Lathrop, Winter St., Int. Calculus; Betty Law, 21, Adv. Typing; Edna Lee, Winter St., Elem. Typing; Ruth C. Lemert, 17-2, Arith. and Blueprint Reading; Margretta Lewis, 26-3, Elem. Typing; Mabel Liggett, 18-5, English Grammar; Paul J. Lindley, Winter St., Trigonometry and Mech. Drwg. Pt. 2; E. L. Locker, Winter St., Public Speaking; Louis W. Lomont, Winter St., Mech. Drwg. Pt. 1; Doris L. Lontz, 17-2, Arith. and Blueprint Reading; Marguerite Lordier, 26-3, Elem. Typing; Robert P. Loveland, 18-5, Elem. Calculus; Margaret Lowe, 17-2, Comptometry and Adv. Typing.

Collins E. Mannen, 19-3, Elem. Calculus; Jacob K. Marguardt, Winter St., Trigonometry; Myrl Maxheimer, 26-3, Elem. Typing; Glen May, 4-4, Arith. and Blueprint Reading; F. D. McMyler, 19-5, Public Speaking; Helen Merkey, 4-3, Adv. Typing; Helen Merrym, Elem. Typing; Irene Meyers, 19-5, English Grammar; H. McAtee, Public Speaking; Dean O. Miles, 26-3, Algebra and Arith. and Blueprint Reading; Jacob Model, 27, Algebra, Mach. Shop Prac. and Mech. Drwg. Pt. 3; Forest Monroe, 17-2, Algebra.

Gerald B. Moore, 26-2, Arith. and Blueprint Reading; Landis R. Mote, 27, Mech. Drwg. Pt. 1; Russell Neireiter, 26-4, Algebra Pt. 2 and Mech. Drwg. Pt. 3; Melvin R. Nussel, 12-2, Mech. Drwg. Pt. 2; Herbert Osborne, 12-2, Elem. Calculus; Henry Papenbrock, 4-3, Mech. Drwg. Pt. 1; Bessie Partee, 26-3, Elem. and Adv. Typing; Charles H. Penn, 26-1, Public Speaking; Clifford Perry, 4-3, Mech. Drwg. Pt. 1; Morris R. Pool, 6-2, Mach. Shop Prac.; N. D. Porter, 2-3, Mech. Drwg. Pt. 1.

Verne Pray, 17-4, Elem. Calculus; Emery Pritchett, 19-3, Elem. Calculus; William Puetz, 17-2, Arith. and Blueprint Reading and Algebra; Mary Quinn, 4-4, English Grammar; Louesa Railing, 17-2, Elem. and Adv. Typing; Park K. Ranck, 4-5, Mach. Shop Prac.; Eloise Redding, 18-1, Elem. and Adv. Typing; Lora Redding, 18-2, Elem. Typing; Loretta F. Reese, 17-2, Arith. and Blueprint Reading; Maurice W. Reed, 4-2, Mech. Drwg. Pt. 2; Emma B. Reifsteck, 17-2, Elem. and Adv. Typing.

Herbert Reitz, 12-2, Elem. Calculus; Ray Renfrew, 17-4, Public Speaking; Floyd S. Renier, 4-1, Arith. and Blueprint Reading; Paul Reppert, 2-3, Mech. Drwg. Pt. 1; Charles J. Rice, 17-2, Arith. and Blueprint Reading and A.C. Elect.; Nellie Rice, 18-1, Elem. Typing; Isabella Richcreek, 4-2, Elem. and Adv. Typing; Carrel R. Rigby, 26-3, Mech. Drwg. Pt. 1 and 2; Leslie E. Richter, Arith. and Blueprint Reading; Ethel M. Robbins, 19-5, Elem. Typing; Florence Robinson, 26-1, Adv. Typing; Edward Rodenbeck, Mech. Drwg. Pt. 1.

Richard Rodman, 20-1, Public Speaking; Keith E. Ross, 28, Public Speaking; Alfred J. Rudasky, Winter St., Mech. Drwg. Pt. 1; Allen Ruble, 4-2, Mach. Shop Prac.; James W. Sanford, 19-3, Public Speaking; Chris Sarber, 12-2, Elem. Calculus; John Sauer, 26-5, Algebra; Ray Sowers, 17-2, Mach. Shop Prac.; Mary Schmieman, 4-2, Elem. and Adv. Typing; Alma Schneider, 8-1, Elem. and Adv. Typing; Walter A. Schmidt, Winter St., D.C. Elect.; Ray Schuckel, Winter St., Mech. Drwg. Pt. 2.

Marie Schultz, 26-3, Elem. Typing; Lawrence Seffle, Winter St., Arith. and Blueprint Reading; Kenneth Sefton, 26-3, Algebra; Clarence Shanebeck, 4-1, Business English and Arith. and Blueprint Reading; Safara Shanebeck, Winter St., Bus. English; Gaylord J. Shank, 2-3, Mach. Shop Prac. and Public Speaking; Harold R. Shannon, Winter St., Public Speaking, 2 terms; Homer V. Shoemaker, Winter St., Trigonometry, D.C. Elect., and Mech. Drwg. Pt. 3; Paul L. Scotton, 19-2, Algebra Pt. 1; Bertha Sheehan, 4-4, Adv. Typing.

Cecil W. Sible, 4-2, Public Speaking, 2 terms; Mary Smethers, 26-2, Elem. and Adv. Typing; Lester Snyder, 18-5, Public Speaking, 2 terms; Emmett Somers, 15-A, A.C. Elect.; Earl K. Spiker, 19-3, Int. Calculus; Glenn Stapleton, 12-2, Elem. Calculus; Wilbur G. Stewart, 12-2, Mech. Drwg. Pt. 3; Myrle Strause, 19-4, English Grammar; Lawrence Suelzer, 22, Mach. Shop Prac.; Edwin Suter, 26-2, Arith. and Blueprint Reading.

Gladys Marie Suter, 26-1, Algebra Pts. 1 and 2 and English Grammar; Burton F. Telley, 26-5, Arith. and Blueprint Reading; Bernice Thimlar, 26-3, Comptometry; Mary B. Thomas, 2-3, Elem. Typing; George A. Thomas, 20-1, Public Speaking; Althea Tillman, 26-1, Elem. Typing; Arthur Treece, 10-3, Public Speaking; Chauncey K. Tucker, 4-3, Algebra; Joseph Turley, 4-2, Arith. and Blueprint Reading.

Ralph S. VanAuken, 20-1, Algebra and Mech. Drwg. Pt. 1; Viola Vachon, 4-5, Elem. Typing; Ralph VanAuken, 20-1, Public Speaking; Arthur F. Vinson, 2-3, Public Speaking; Eldon J. Vosburgh, 2-3, Mach. Shop Prac.; William C. Walde, 12-3, Elem. Calculus; Moyne L. Walker, Winter St., Algebra Pts. 1 and 2 and Mech. Drwg. Pt. 2, 2 terms; Clarence E. Wagner, 26-1, Elem. Typing and A.C. Elect.

Martin D. Walsh, 26-5, Mech. Drwg. Pts. 2 and 3; Helen Walters, Comptometry and Adv. Typing; Manfield L. Ward, Winter St., Public Speaking; Agnes Wehrle, 17-4, English Grammar; Lisle E. Wehrle, Arith. and Blueprint Reading; Hilda Webb. 4-2, Adv. Typing; Lloyd Welbaum, Public Speaking, 2 terms and Bus. English; William F. Wellman, Public Speaking; George Whitesel, Winter St., Algebra, Trigonometry, Mech. Drwg. Pt. 3, and Gear Design; Fred Wilcox, 2-3, Mach. Shop Prac.

Kenneth W. Williams, 19-2, Business English; Clark Winchester, Winter St., Trigonometry, Gear Design and Mach. Shop Pract.; W. W. Winner, 19-5, Public Speaking; John B. Winstel, 19-4, Algebra Pt. 1; Norman L. Winter, 18-4, Public Speaking; Robert Wirges, Arith. and Blueprint Reading; George Zollar, 2-3, Mach. Shop Prac.

The instructors who presented courses this past season are: G. H. Gettle, R. Johnston, P. B. Cox, R. L. Hupp, H. G. Siebold, A. M. Smith. H. O. Makey, Walter Sunier, Grace Phillips, Ruby Kuhn, Isabelle Hausbach and Marian Ingham.

On The Cover

IN THE days before radio and the electric clock, undoubtedly many Fort Wayne citizens used the blasts of our deep-throated factory whistle in checking up on the setting of the time pieces in their homes. Now with the correct standard time given so frequently each day in connection with radio programs, and with highly reliable electric clocks in use in so many homes it is probable that less notice has been taken of the blowing of the power house whistle. Yet it is true that in recent times the big G-E whistle, has been more accurately timed than in the olden days. The reason is that its blasts have been released automatically by electric control and the operation of the electric control has been automatically timed by a carefully attended master clock.

The cover illustration on this issue shows this high grade master clock with Keith Wolfe, the station attendant, illustrating the way the clock is checked up daily with Arlington time. The actual check of the clock is made regularly at 10:55 a.m., Central Standard Time, when Arlington broadcasts time signals of the U. S. Naval Observatory at Washington D. C. The double dial radio shown in our cover view is adapted to reception of the short wave, 33.82 meters, (8870 k.c.) on which the govern-

(*Continued on page 15*)



Harvey Kreamer



E. Davis



Noel Reece



Eugene Melchi



Paul R. Castle

Suggestion Awards

A POSSIBLE saving in material in the manufacture of certain fractional horsepower motors that was called to our engineer's attention through the suggestion of Eugene Melchi of Decatur Plant brought Mr. Melchi a $200 award. Mr. Melchi's observation was that the copper end rings on the stators of such motors were of larger outside diameter than was necessary and that as a result there was a needless waste of copper in turning down the rabbit fit for the end shield on the stator at this point. Although the material saving in a single motor resulting from the change in design was not of great amount the quantity production involved made the change in design particularly well worth while and resulted in Mr. Melchi's receiving this very handsome award.

Harvey Kreamer, of Winter Street Plant, presented a suggestion in regard to the design of a refrigerating machine part that brought about a saving in both material and time. In the refrigerating machine main frame casting there was certain material that it was proving difficult to remove in the machining operations on the part. Appreciating the possibilities of improvement in this regard Mr. Kreamer suggested a change in the shape of the casting for this part. Although only a fraction of a pound of iron was saved on each casting involved the total saving in material and machine operations in our production was sufficient to entitle Mr. Kreamer to a $100 award.

Lazerne Hopkins, Bldg. 12-1, suggested that stacking devices be installed at certain punch presses in the Wire and Insulation Division and received a $35 award.

E. Davis, of Winter Street, was given $35 award on two of his suggestions combined that involved certain changes in the manufacturing operations on float chamber shells and bottom plates for refrigerating machines.

Charles H. Trautman, Bldg. 17-3, suggested that changes in the feed cams on certain automatic machines in the Fractional Horsepower Motor Division would be desirable and this suggestion brought him a $30 award.

Charles Baxter of Decatur was the recipient of $25 award on his suggestion regarding changes in the material used for lugs as per drawing S-646731.

Paul R. Castle, Winter Street, was awarded $25 on his suggestion of use of a special profile tool on cylinders in the Refrigeration Division.

Noel Reece, Bldg. 26-2, suggested providing a fixture for use in wedging certain transformers manufactured here and received $25 award.

Melvin Payne, Bldg. 26-4, received $20 additional award on his suggestion regarding changes to certain weights for IAC Relays on which he originally received a like award.

Jean Coplen, Bldg. 19-4, suggested terminal screws be omitted from certain bases purchased by Fort Wayne from the West Lynn Works and received $20 award.

Elmer Girardot, Winter Street Plant, received $20 award on his suggestion that wallboard be used to cover the sides of the running storage conveyors at Winter Street.

William Atteberry, Bldg. 11-A, suggested improvements in tension devices used in Bldg. 19-2, that brought him $20 award.

W. G. Larimore, Bldg. 2-3, suggested changes in material of part covered by drawing 3509105 of the Fractional Horsepower Motor Division and received $15 award.

Virginia Douglas, 26-2, received $12.50 award on a suggestion she made regarding changes to insulating material for certain coils in the Transformer Division.

Ray E. Pflueger, Bldg. 27, suggested that steam be used instead of gas for heating washer in Bldg. 27 and this brought him $10 award.

Harry Magner, Bldg. 4-2, suggested stocking certain grinding wheels used in Bldg. 4-2 and received $10 award.

Paul F. Noffze, Bldg. 26-B, suggested improvements to die 4285507 used in the Transformer Division, and $10 was the resulting award.

Lewis W. Clark, Bldg. 4-4, received $10 additional award on his suggestion regarding changes in clutches used on winding machines on which he previously had received $5 award.

S. J. Nyboer, Bldg. 20-1, received $10 additional to the $10 award he received previously on his suggestion regarding material of gas burners used under certain soldering pots.

Albert Nebur, Winter Street Plant, was awarded $10 on suggesting a master gauge for checking certain icing units.

William C. Eagleson, Winter St. employee, suggested thinner be used to remove paint on DP-3 cabinets and received $10 award.

Stella M. Rupp, Bldg. 2-3, presented the suggestion that G-E No. 3 Transfer



Charles Baxter



Melvin Payne



Charles H. Trautman



Lazerne Hopkins

Cases be provided with pulls and received $10 award.

Lewis H. Clark, Bldg. 19-5, received $7.50 additional award on his suggestion to change inspection method on certain Type PD demand meters.

J. A. Lamboley, Bldg. 2-3, received $7.50 on suggesting a utilization of certain steel clippings from the Refrigeration Division in SA collector backplates at Decatur Plant.

Robert Smith, Bldg. 4-3, was awarded $7.50 on suggesting changes in punchings for certain fractional horsepower motor rotors.

R. L. Flightner, Bldg. 18-1, received a $7.50 award on suggesting use of 12½ in. copper for part, drawing 4270055 of Refrigeration Division.

Ray T. Klotz, Winter St. Plant, suggested the use of special crankshaft for certain refrigerating machine units and received $7.50 award.

Earl Lytal, Bldg. 24, and George Kaade, Bldg. 19-2, shared a $7.50 award for their suggestion regarding changes to tension device at treating machine in Bldg. 19-2.

John E. Bechtol, of Winter Street Plant, was awarded $7.50 on suggesting that a master drill jig be provided for drilling bushings for bearing plate drill jigs used in the Refrigeration Division.

Carl Einseidel, Bldg. 26-5, received $7.50 award on suggestion relative to changes to forming die for V-2706841 used in the Refrigeration Division.

Awards in the amount of $5 each were made during the period covered by this report to the following suggestors:

Bldg, 4: Harry L. Hiler, Harry F. McKee (2), Virgil J. Hammons, Sylvia May Baughman, George K. Morton, Galen R. Simon (2), Wilbert B. Putt, Joseph A. Bolenbaucher, John R. Potts, Ralph F. McQueen.

Bldg. 9: Alva J. Baldwin.

Bldg. 12: Dale W. Steward.

Bldg. 17: Paul C. Menze, Ralph P, Hershberger, Fred F. Bailey, W. C. Mills, Ben Noll and Leslie E. Swank, Jesse Moore.

Bldg. 18: Myron Cox.

Bldg. 19: A. Spenny, Arthur. McNamara (2), B. J. Skevington, Ezra W. Garringer, Paulus Adams, Pearl F. Webb, Ora V. Martin, Sylvester Schmidt, Norman Shane, F. E. Ashbaugh.

Bldg. 20: Raymond Eastes, Paul E. Laderman, Leo J. Neumann, John F. Fulk, Richard Rodman.

Bldg. 22: Roe Ormiston.

Bldg. 26: Gerald Wert, L. Ethel Brown, Herman Sexton, Floyd Chilcote (2), James McCray, Fern M. Wolfe, E. J. Green, Harold Emrick, Howard Shipman, Clarence E. Wagner, Louis V. Brunner, Maude Kaufman, Cedric J. Reed, John O. Weaver, Ralph Winters, Elias C. Bridegam, William Kline.

Bldg. 27: Jacob Sappington.

Bldg. 28: Henry A. Smith.

Winter Street: Virgil S. Patterson, A. L. Grover, Russel R. Burkholder, Alfred Busick, Walter Schelper, Mark A. Hennigh, Matt Krebs, Raymond Grotrian, Laurence Rupert, Albert R. Flory, Edward H. Hauke, Harold H. Coleman, Robert Gass, Albert C. Ervin, Roy Mentzer, A. L. Grover, Terrace Colvin, Ivan C. Webster, G. B. Porsch (2), Herbert R. Bates, Edward A. Buchwald, Harry Kadesch, Bernard L. Jacquay, Ben T. Lake.

Decatur: Cecil L. Franklin, Leon Gass.

Mr. Morganthaler Addresses Foremen's Club

P. C. MORGANTHALER was the principal speaker at the dinner meeting of the G-E Foremen's Association held in the Works restaurant on the evening of April 15. Although the subject assigned to Mr. Morganthaler was "Service to Customers" he chose to speak of what he termed the obligation of the public to the General Electric and other progressive companies which take such prominent parts in the advancement of scientific research and development of products which contribute so much to our industrial progress and human welfare.

Mr. Morganthaler mentioned General Electric's contributions toward our present highly efficient incandescent lighting, its improvements in accuracy of watthour meters, its development of reliable instruments for aviation, the high standard of quality established for its domestic electric refrigerators, radios, Sunlamps, etc., and its contributions through research and engineering development of apparatus for economical production and distribution of electric power. Many of these contributions he said have come only through the expenditure of millions of dollars, much of which showed little promise for the future when the undertakings were initiated. That General Electric is rendering real service to the public is borne out by the fact that the Company is constantly establishing new standards of performance for nearly everything it manufactures. This service to the public is quite aside from that ordinarily conceived of in furnishing customers high-grade merchandise at reasonable price and satisfactory time delivery. While the Company is not just in business for its health, for it is obliged to make money for its stockholders, yet underlying all is an ever-present desire to better serve humanity, to delve into the unknown for new things, to find out how nature made things and then try to make them better—a service in which General Electric men and women are proud to have a part.

At the close of Mr. Morganthaler's address short supplementary talks were given by the following: C. H. Matson, "Manufacturing Dept. Responsibilities;" Howard Miller, "Laboratory and Research Activities;" R. H. Chadwick, "Engineering Activities;" and E. E. Miles, "Service to Customers." R. J. Hoffman introduced the speakers.

During the serving of the dinner which preceded the addresses a program of entertainment was offered by Mary Fry and Alice Sorg, employees in Bldg. 18-2, who appeared in a singing and dancing act accompanied by Miss Fry's brother at the piano, and Clara Girardot and Cliff Bogust, former G-E employees who appeared in one of their clever song and dance numbers.

This meeting was the last in the Association's schedule of business talks and discussions during the fall-winter season. Although in past years it has been customary for the Association to hold during the summer months a series of social affairs for members and their families, the directors of the Association at a meeting held on April 23 decided to cancel all activities until fall.

Winter Street Plant News

Jack Bell of the U. S. Marine Airplane Squadron located at Brown's Field, Quantico, Va., who is the son of C. W. Bell of Winter Street Plant, was home recently on furlough and visited the factory here on April 20.

Janet Ruby has recently been transferred from the Broadway Plant to fill a position in the Service Bureau here made vacant by the transfer of Martha

(*Continued on page VII*)

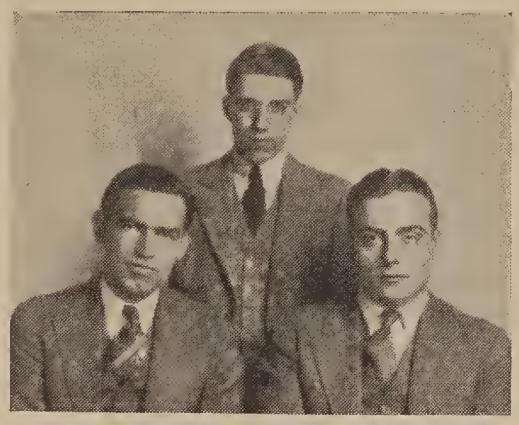
G-E Squares Entertain College Men of Works

ON THE evening of April 8, the G-E Squares gave their annual smoker for all college men of Fort Wayne Works and approximately 150 responded to the invitation. As the guests arrived they were asked to register and were handed an identification tag carrying name, school and year of graduation. Complete supplies for smokers were placed at their disposal and an informal "get acquainted" half-hour ensued.

When all had arrived, a short program was presented with J. W. Sanford as master of ceremonies. After a short address of welcome by Kenneth Boger, president of the Squares, the Squares Quartet, consisting of Warren Adams, H. A. Droitcour, Lawrence Strobel and R. R. Black, gave several numbers. At this point in the program D. H. Hanson introduced his special test of the ability of cigarette smokers to identify brands of cigarettes by the aroma and taste. Ask Grossman what happened. Mr. Sanford then introduced the guest speaker of the evening, Judge McNabb of the Allen County Circuit Court, who presented a very interesting discourse on the subject of personality. As this closed the formal part of the program all were invited to pass into the next room where an excellent lunch was served, the guests choosing places at the tables as they saw fit thus furthering the acquaintance of men from various colleges.

The climax of the evening's entertainment was the card games, tables at one side of the hall being designated for bridge while those on the opposite side were for those who preferred pinochle.

On April 14 members of the G-E Squares met for their semi-annual dinner, election of officers, and initiation of new members. The dinner was served by the Works restaurant, 80 members of the club being present. After the dinner the 17 applicants for membership were duly initiated and then routine business was disposed of under the direction of the retiring officers before the election of new officers was held. The successful candidates in the election were A. F. Vinson of Michigan State who became president; H. R. Shannon of Minnesota Univ. elected vice president, and S. L. Moore of Georgia Tech, secretary-treasurer. The retiring officers are Kenneth Boger, who was president, George Boots formerly vice president, and D. H. Hanson who served as secretary-treasurer.



New Officers of the G-E Squares: S. L. Moore H. R. Shannon, A. F. Vinson

The new members who were initiated are: Jack Clarkson, U. of Alabama; M. W. Edgar, U. of Denver; G. W. Cain, Oregon State College; F. H. Fleischer, Cornell U.; Cecil Allen, Mississippi A. & M.; J. H. Behm, Syracuse U.; T. C. Balliger, U. of Wisconsin; J. J. Butler, Clemson A. & M.; E. A. Johnson, U. of South Dakota; C. A. McElmurry, Oregon State; L. N. Nelson, North Dakota State; W. D. Paulson, U. of Colorado; L. A. Strobel, Michigan State; R. C. Hanna, Virginia M. I.; G. L. Steele, U. of Alabama; M. A. Tennyson, Armour Tech; C. M. Borchers, Ohio State U.

Winter St. Plant News

(*Continued from page VI*)

Schwanz to the office of Mr. Lichtenberg.

W. C. Watt, who is manager of Winter Street's baseball team has his proteges working out on regular practices and says the indications are that he has a real team.

Bob Meyers, who is captain of Winter Street's entry in the softball league, says from his observations his softball artists, too, should prove to be a winning aggregation.

Donald Lichty, employed in the stockroom, has secured a leave of absence to play with a professional baseball team of Jeanetteville, Pa.

Fellow employees at Winter Street extend their best wishes for a speedy recovery to the following who are absent because of illness: Louise M. Erhardt, Virgil Carter, Otto Kammeyer, Raymond Dafforn, Kenneth Crabill, George Michaels, Paul Weaver, Melvin Walchle, William Memers, James A. Clark, Evan Morris, Carlton Brudi and Fred May.

Anna Connor and Fred Wolmer returned recently to their work following extended absences because of illness.

August F. Mayland Retired From Active Service

AUGUST F. MAYLAND, Meter Division, Bldg. 19-4, who has been engaged almost continuously during his more than 28 years' continuous service here in the building of developmental models of new devices, has been forced by the condition of his health to give up his active service and was granted a retirement allowance pension which became effective March 13. Although Mr. Mayland's continuous service with General Electric dates only from Oct. 21, 1902, it is interesting to note that as early as 1885 he was employed by the Star Iron Tower Co. which built the high iron towers then frequently used in supporting Wood arc lamps for residential and public park lighting. In the early years of his employment by our Company Mr. Mayland worked on many of the new models of arc lamps for Mr. Wood and later, on series arc regulators, Audiffren ice machines, etc. For the past 14 or 15 years his work has been in the Meter Division where he has helped in building many of the developmental models of new devices designed by our meter engineers. For some time before his retirement Mr. Mayland was employed in Bldg. 19-4 under Foreman A. L. Knoll.



August F. Mayland

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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Vol. 15 May 15, 1931 No. 5

About Safety

WITH all of our organized effort here at General Electric to prevent accidents, we still have accidents occurring all too frequently in our midst. This should bring us to a realization that in the final analysis the matter of personal safety is really largely up to us as individuals. A survey of any one of the monthly accident reports prepared by our Works safety engineer will convince one that this is a logical deduction. For example: One falls down stairs and is injured, the fall occurring because the stairway lights temporarily were out of order; and yet many people have felt their way down stairs in absolute darkness, many many times without a single slip or fall. In another case a wrench slipped and the workman using it injured his hand on a moving part of a machine, again a preventable accident had there been enough care on the part of the workman in performing the task involved. Another in lifting a piece of work while standing in a twisted position injured his back, while still another and yet another are cases where people dropped things on their toes with disastrous results. Occasionally an accident appears on the report which reflects a lack of due caution in the set-up for the work; but here again it may have been possible for the workman to observe the danger of doing the work under the conditions that existed. Now all of this is not an unkindly criticism of those who suffer accident in these instances. Everyone knows that to get things done one must direct his principal attention to other details than those involved in the element of personal safety. Fortunately safe practices can be developed until they are instinctive habits, and things which we do from force of habit do not require conscious mental action. Safety habits, therefore, will not necessarily detract from the mental ability one has left for application to the work in hand. But this acquiring of habits of action and procedure that will safeguard us from accident, is a proposition that no one else can attend to for us. Some people obviously more careless than others, at times seem to get along very well. In the long run, however, such people most surely will suffer more grief than their co-workers who are inherently more careful. Although fate sometimes plays mighty mean tricks on the most careful employees in our midst, yet this does not prove that carefulness does not pay. There will always be some accidents regardless of the way we as individuals conduct ourselves but surely there is still plenty of opportunity to make a better record in the future than we have ever done in the past. Accordingly we recommend to everyone greater attention to safe practices and a greater appreciation of the dangers we subject ourselves to by both minor and major acts of carelessness, that we all may live longer, suffer less accidents and in the course of life have fewer things to regret.





FISHING SEASON'S ON
Charles Braun, Bldg. 4-4; Frank Briggerman, Bldg. 4-4, and George Braungart, Bldg. 19-2, with the bass they caught at Crooked Lake.

Absent Employees

Fred J. May, of the Refrigeration Dept., Hobert Stevenson, of the Apparatus Dept., Bldg. 19-3, and John Richards, Switchboard Dept., Bldg. 19-5, are patients at the St. Joseph Hospital. All are reported as recovering nicely.

Mary Armey, of the Transformer Dept., Bldg. 26-2, Louis Kintz, Small Motor Dept., Bldg. 4-4, and Harry Savage, Small Motor Dept., Bldg. 4-1, are at their homes recovering from recent operations. They are all making good progress and are planning on returning to work soon.

Katherine Huber, of the Small Motor Dept., whose home is at 1414 Swinney Avenue, Russell Rose, of the same department, whose home is at 1316 Drexel Boulevard, and Paul Weaver, of the Refrigeration Dept., who lives at 4430 Warsaw Street, all have been confined to their homes for several weeks on account of sickness.

Lawrence Schnieders, Accounting Dept., Bldg. 18-2, who has been away from work for several months on accounts of sickness is improving and is planning on returning to work about July 1. He resides at 613 Stadium Drive.

Lois McDaniels, of the Small Motor Dept., who resides at 1220 Wells Street, Louise Ehrhardt, of the Refrigeration Dept., who lives at 2626 Reed Street, and Joseph Scarbough, of the Apparatus Dept., Bldg. 19-1, whose home is at 211 West Breckenridge Street, are unable to be at work on account of sickness.

Harold Bodecker, of the Small Motor Dept., Bldg. 17-2, has recently been admitted to the Irene Byron Sanitarium for treatment.

Nine Receive Charles A. Coffin Fellowships

ONE thing leads to another. That at least is the experience of David H. Sloan who is one of the nine recipients of Charles A. Coffin Foundation Fellowships this year. While working with Dr. A. W. Hull in the G-E Research Laboratory at Schenectady, he became interested in the Thyratron tube which Dr. Hull was then developing. He wanted in particular to study the mercury ion processes and their relations to the Thyratron tube, and was granted a Coffin fellowship last year to enable him to pursue his investigation at the University of California. Since then, new developments in the field have led him into an investigation of the production of high velocity mercury ions and a study of their properties. To help him continue with his new research, another fellowship was granted him this year.

These Charles A. Coffin Fellowships are awarded each year under the provisions of the Charles A. Coffin Foundation to enable graduates of accredited American Universities to engage in or continue technical research work at educational institutions of their own choosing. The nine fellowships granted this year were passed on by a committee composed of Gano Dunn, representing the National Academy of Sciences; H. S. Boardman, representing the Society for Promotion of Engineering Education; W. S. Lee, representing the American Institute of Electrical Engineers. This brings the total number of fellowships granted to 72, including renewals.

The list of those receiving the fellowships this year is as follows: David H. Sloan of San Francisco, a graduate of Washington State College, to study high velocity mercury ions at the University of California; John Lawrence Oncley of Winfield, Kansas, a graduate of Southwestern College, to study energy absorption in dielectrics at the University of Wisconsin; E. Everett Postel of Cleghorn, Iowa, a student at State University of Iowa, to study the dielectric strength of oils, at that institution; Adolph Pharo Gagge of Richmond, Va., a graduate of the University of Virginia, to make certain spectroscopic analyses at Yale University; George Harold Fritzinger of Bryant, Ind,. a graduate of Wittenberg College and at present a student at Purdue University, to continue his researches at M.I.T.; Horace Earl Darling of Pawtucket, R. I., a graduate of Brown University, to study photoelectric cell design and emission formulae at that institution; James Paul Fugassi of Pittsburgh, Pa., a graduate of Carnegie Institute of Technology, to continue chemical researches at that institution; Oliver C. Simpson of Champaign, Ill., a graduate of the University of Illinois, to study atomic and molecular ray problems at that institution; Maurice Nelles of Madison, South Dakota, a graduate of the University of South Dakota, to continue researches in chemistry at Harvard University.

G. E. Fails to Earn Regular Dividend On Common Stock

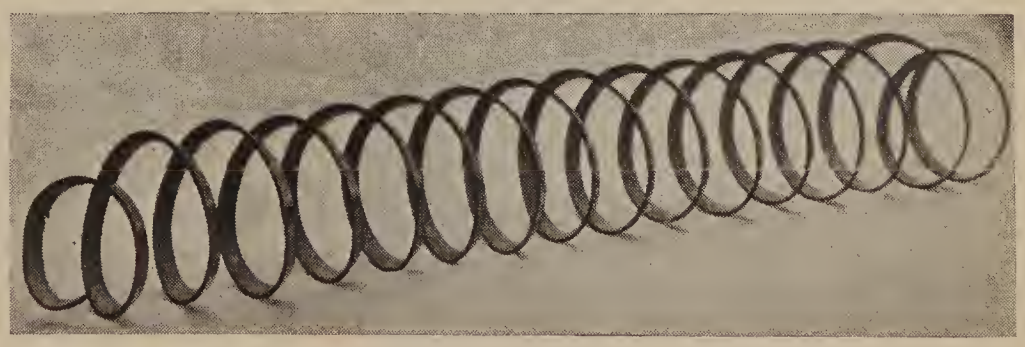
ORDERS received by the Company for the first quarter of 1931 amounted to $60,366,297, compared with $90,397,731 for the corresponding three months of last year, President Gerard Swope announced at the annual meeting of stockholders on April 21.

Sales billed for the first three months of 1931 amounted to $61,-959,800.90, compared with $91,-205,732.28 for the corresponding period last year.

Profit available for dividends on common stock for the first quarter of 1931 was $10,844,334.09, compared with $14,398,790.52 for the same three months last year, which is equivalent to 38 cents per share in 1931 and 50 cents per share in 1930 on the 28,845,927 shares outstanding in both periods. The quarterly dividend is 40 cents a share.

Comparative statement of sales and earnings for the three months follows:

	1931	1930
Net sales billed	$ 61,959,800.90	$ 91,205,732.28
Less: Cost of sales billed, including operating, maintenance and depreciation charges, reserves and provision for all taxes	53,755,239.64	80,590,320.95
Net income from sales	8,204,561.26	10,615,411.33
Other income, less interest paid and sundry charges	3,283,520.78	4,427,110.19
Profit available for dividends	11,488,082.04	15,042,521.52
Less: Cash dividends on special stock	643,747.95	643,731.00
Profit available for dividends on common stock (28,845,927 36/100 shares issued)	$ 10,844,334.09	$ 14,398,790.52



No, It's Not an Apple Peeling; It's a Steel Chip from a Rotating-field Turbine Generator Cut on a 48-inch Engine Lathe

Prosperity

A Quaint Fable with a Moral And a Happy Ending

By FRED L. SKINNER, *Maintenance Dept.*
West Lynn Works



ONCE on a time, in days of old, there was in the service of the king a humble woodworker who chewed tobacco and made huge heaps of shavings, into which he continually expectorated.

And it so happened that this particular king was a "go-getter," who considered everything that went on in his kingdom in the light of commercial enterprise, the success of which was measured by the quantity of gold in his treasure chest, and he was perpetually asking the Lord Chancellor how much money there was in the royal bucket.

Thus it came to pass that the Lord Chancellor got so weary, tired, weak, and sore from so many trips from the king to the treasure chest and back again that he asked for a vacation.

"What!" said the king, "you take a vacation? Why, you don't do anything. You've got the greatest snap of any man in the entire realm. All you have to do is to keep account of the amount of money in my chest, and any half-baked loon could do that. You take a vacation? Bah! And a couple of bahs!"

"King," said the Lord Chancellor, "I have come to you not merely to ask for a vacation, but to say many things. But before I begin, I want you to remember that, although you are the king and I your humble servant, we are not only brothers but twins, and the only reason you are sitting on that imperial high-chair is because you beat me to it by about five minutes. In other words, for just once in twenty years I want that you and I should talk together like brothers. Like brothers who were cradled together, who nursed at the same breast, who shared the joys and sorrows of childhood together who—"

"Shut off the sob stuff," said the king, "and proceed."

"All right, Charlie the Tenth," replied the chancellor, "What I have to say is this. Ever since the king, our father died, I have kept accurate account of every cent we have received and, as you just said, anyone of ordinary intelligence could do that. Now what I want is not so much a vacation, but a chance to get out among the people and find out where this money comes from. I want to be a real accountant. And furthermore, I have a hunch that, as we now receive a percentage of everything raised and everything produced in this country, if more were raised and more produced, our income would so increase without increasing the percentage, that we would soon have enough money to begin to build good roads and put in sewers, and light the streets, and by so doing stimulate the people to produce more and create and invent new and novel things, like radios, automobiles, flying machines, vacuum cleaners and a lot more."

"Stop!" cried the king. "You must think you are in the twentieth century of human progress, instead of the fifteenth."

"No," said the chancellor, "I don't think I am in the twentieth century but I am telling you that, unless someone starts something like this and keeps it up, there won't be any twentieth century or any other century of human progress. And I want to be the one to start it. May I?"

"You have my permission," said the king. "Arrange the affairs at the exchequer to your satisfaction and go to it. But I want you constantly to keep in mind that the only difference between the various groups of human beings you will meet is the difference between you and me; namely, about five minutes' start. So when you have acquired enough information to qualify yourself to give advice, consider them all brothers and tell them all the same thing. Don't tell one group one thing and another group something else. Find out the underlying principle which connects each group with the others and then spill it."

And so this chancellor, this old-fashioned bookkeeper of the exchequer, set forth to find out everything about the activities of human beings and make himself a real accountant.

The first representative of a group he ran up against was the woodworker mentioned at the beginning of this tale. After watching him for a time, he inquired, "How long have you been doing this, my good man?"

"Doing what?" asked the woodworker.

"Chewing tobacco for a living and making shavings for the fun of it," replied the chancellor.

"I don't chew tobacco for a living and make shavings for the fun of it," said the woodworker. "I make boards."

"Where are they?"

"Under the shavings."

"Do you carry fire insurance?"

"Don't have to. Them shavings won't burn."

And the chancellor made the first entry in his notebook. "Woodworker. Makes boards, protects the finished product with shavings and then spits in the shavings to make

them fireproof. 100 per cent efficiency."

Then he came to a farm where the farmer and his man were cutting down trees.

"What are you cutting those trees for?" he asked.

"To put over the leaves we use for mulch, so the wind won't blow them away," replied the agrarian.

"Don't you know that five miles down the road is a woodworker who has a surplus of tobacco-soaked shavings you could use for mulch and all the winds of heaven couldn't blow it away?"

But the farmer had never heard of him. And the chancellor wrote in his book, "Farmer cutting trees to protect mulch. 33-1/3 per cent efficiency."

And so he went from place to place and group to group, always finding one group wasting what another group could use. Finally the first real accountant noted in his book the fact that the first problem in the development of a prosperous and happy community is the utilization of waste. The king was so pleased with what he called "the fundamental principle of business" that he had glaring posters painted with the words "Utilization of waste is the cornerstone of prosperity."

The effect was wonderful. In a short time all his subjects were doing business with each other and large factories sprang up to use the waste from other factories. If ever there was a business boom, this was it. Then the panic came. The bottom fell out of the stock market, factories went on half time with less help, and the king, in alarm, called the chancellor.

"What's the matter?" he cried.

"Too much waste," answered moneybags.

"Why," said his majesty, "our great prosperity and high standard of living were practically built up in the slogan of the utilization of waste."

"Right!" said the chancellor. "But you must remember that some of our industries have become so large that the waste through which they were developed is insufficient to keep them running. The paper mill no longer goes to the sawmill for raw material; they both cut trees and they both have waste. And the same thing applies to all the others."

"I see," said the king. "The remedy now is the elimination of waste."

So a slogan calling for the elimination of waste was posted. Again the people prospered. And again the panic came.

"What's the trouble now?" asked the king of his adviser. "We have utilized waste, and we have eliminated waste; what's wrong?"

"Lack of confidence to do business together," said the chancellor. "These periods of lack of confidence will come from time to time, but if we maintain our high standard of workmanship and our ideals in regard to the quality of our products, we will always recover from them. The utilization of waste, the elimination of waste, a high standard of workmanship, and confidence; these are the four cornerstones of prosperity."

"Brother," said the king, "you have done a mighty fine job and I appoint you Lord High Accountant of the Realm."

And, just as the chancellor had predicted, confidence returned, good times were restored and once more the people were happy.

During this cycle of prosperity the king died, leaving no direct heir to the throne. But the people felt secure, for they knew that the chancellor was next in line and that, for the first time in the history of the world, brains would succeed brains. So they stormed the palace, shouting, "Long live the king! Long live the king!"

The old chancellor was duly crowned, but what a change from his former position! While heretofore his entire duty had been to collect and furnish facts and figures for the use of his brother, now everyone came to him for every sort of information and advice. There seemed to be more meetings and conferences for him to attend than there were minutes in twenty-four hours. From board meetings to breaking ground for new buildings, and from those to a million other things, it all soon wore him down. "What can be the matter with me?" he wondered, half out loud.

"The trouble," said the new keeper of the exchequer, "is that, when your brother was alive, you and he were a team, and his death broke up an organization. You are trying to do alone that which re-

(*Continued on page 8*)

THE NEW END TABLE PHONOGRAPH

The end table phonograph newly introduced by General Electric provides an inexpensive means of converting any modern radio, but particularly a General Electric Full Range radio, into a radio-phonograph combination.

This cabinet follows the early American Duncan Phyfe motif and fits in well with any model of General Electric radio and with the interior of any home. In height it reaches the level of an easy chair arm.

A unique sliding top allows access to the phonograph without disturbing ornaments or other articles on top. Serving the purpose of an end table it may also be used as a base on which to set the G-E Junior with which it may be operated in combination.

Operated with a General Electric radio the records in playing are given full range tone. The connection of the end table phonograph with a radio is extremely simple.



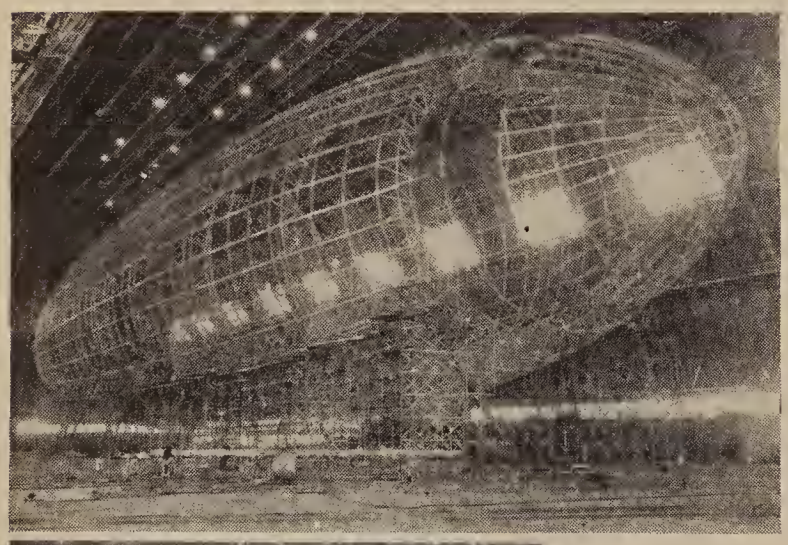
A Page of G-E Photos



The interior of the chapel of St. Vincent's Orphanage, a few miles from San Rafael, California, illuminated by G-E lighting apparatus



The chapel of St. Vincent's Orphanage as it appears under the glow of G-E floodlighting equipment



An interior view of the world's largest hangar, showing the intricate skeleton of one of the super-Zeppelins being constructed for the U. S. Government. Much G-E equipment is being used in and around the hangar



This photograph won a prize in a contest designed to test the practicability of G-E Mazda photoflash lamps in amateur photography. The contest was sponsored by the Cleveland Photographic Society



Dr. Mieczyslaw Marchlewski, Polish Consul General in New York, before the microphone of W2XAF, the G-E short wave station at Schenectady, during a recent attempt to speak to Poland



A night view of the Rizal Monument at Luneta, Manila, P. I., lighted by G-E combination floodlighting equipment

Around the World with General Electric

California

The new chapel of St. Vincent's Orphanage, situated a few miles from San Rafael, California, reposes in the midst of a beautiful expanse of meadows and hills. By day the gleaming white chapel, surrounded by spacious gardens and green lawns presents a charming picture; at night, through the medium of G-E floodlights, it is a spectacle of radiant beauty against the dark sky. The interior of the building, likewise, is lighted by G-E equipment.

Argentina

Householders in Argentina may possibly be anticipating a long, cold winter if a recent order for 1400 G-E electric heaters can be taken as an indication. Another order from the same country included over 200 small stoves, grills, portable ovens, toasters, coffee urns, and flatirons.

Chester, Pa.

A new electric tanker for the Atlantic Refining Co. is now under construction by the Sun Shipbuilding Co. of Chester, Pa. G-E generators driven by three Cooper-Bessemer Diesel engines will make up the power plant of this new ship. Nine tankers and four tugs now make up the total of 13 Diesel-electric vessels owned by the Atlantic Refining Co. Of this number, eight are equipped with G-E propulsion apparatus.

Mexico

A recent order for 800 G-E electric irons would seem to indicate that housewives down in Mexico are fast becoming as well acquainted with this product as they are with other G-E appliances. Of the 800 irons ordered, 300 are six-pound irons of a new type. This iron, while retaining the high quality of the more expensive G-E irons, is of a lower price.

Chile

Great quantities of nitrate are hauled over the Pampa Railroad, which is a part of the haulage system of the Pedro Valdivia plant of the Anglo-Chilean Consolidated Nitrate Co., Ltd. Four G-E motor generators, which help supply power for this line, were purchased a short time ago and recently an order for switchgear to control these units was received.

Cleveland

In a contest sponsored by the Cleveland Photographic Society, and designed to test the practicability of the G-E Mazda Photoflash lamp, in amateur photography, $1200 in cash prizes were distributed to 59 winners. The task of selecting the winners was extremely difficult inasmuch as the quality of some of the work would have done credit to a professional photographer. During the contest over 45,000 lamps were sold in the vicinity of Cleveland and the Cleveland Photographic Society reported a 20 per cent increase in membership as a result of the contest.

Oakland

The U. S. Department of Commerce is soon to have another electrically propelled lighthouse tender. The Moore Dry Dock Company, at its Oakland Works, is building a 121-foot vessel, the *Columbine,* for this service. The ship will have a specified speed of nine and one-half knots and there will be accommodations for 16, including officers and crew. G-E electrical propulsion equipment will be used.

Brazil

It would seem that the miniature golf fad has spread to every corner of the world. The first course in Rio de Janeiro was opened recently, and inasmuch as the greatest revenue by far is brought in during the evening, it can be safely said that the G-E lighting apparatus which illuminates the course is an essential part of the equipment.

Richmond

It was necessary for a tobacco company at Richmond, Va., to have an order for G-E motors filled in an incredibly short space of time. They received the motors in 69 hours—three whole days ahead of the date set for delivery. The manager of the company in a letter of appreciation says:

"This is the most remarkable freight movement I happen to recall and, incidentally, it is typical of the co-operation the local General Electric Company office always gives us."

Lake Michigan

An ocean liner would have to sail four times around the world in one year without laying up for repairs to equal the record recently established by the carferry, *City of Flint,* on Lake Michigan. The ferry, owned by the Pere Marquette Railroad, made 1,010 trips in 363 days without lay-up for repairs, covering in all, 101,000 miles. The *City of Flint* is equipped with G-E propulsion apparatus.

Germany

The Ford Motor Company is equipping its Cologne plant with electric furnaces of G-E design including the box type, the rotary hearth type, and the continuous type.

Akron, Ohio

The Goodyear Company has been awarded the contract for the construction of the two super-zeppelins, ZRS-4 and ZRS-5, now authorized by the government. The hangar in which these two huge ships are now in the process of construction is the largest hangar ever built. Two gigantic spherical doors, weighing about 600 tons apiece, are the most unique feature of the building. The motors and control equipment for opening and closing these doors, as well as all conduit for wiring the buildings, are of G-E manufacture.



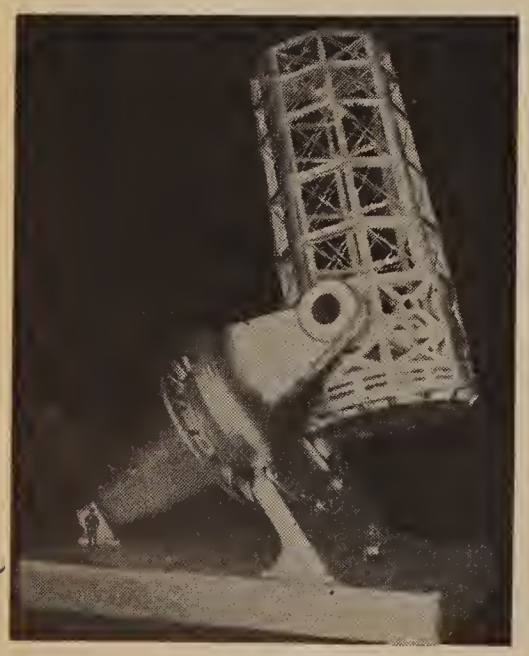
Prof. Thomson with One of the First Quartz Mirrors

Thomson Laboratory Com

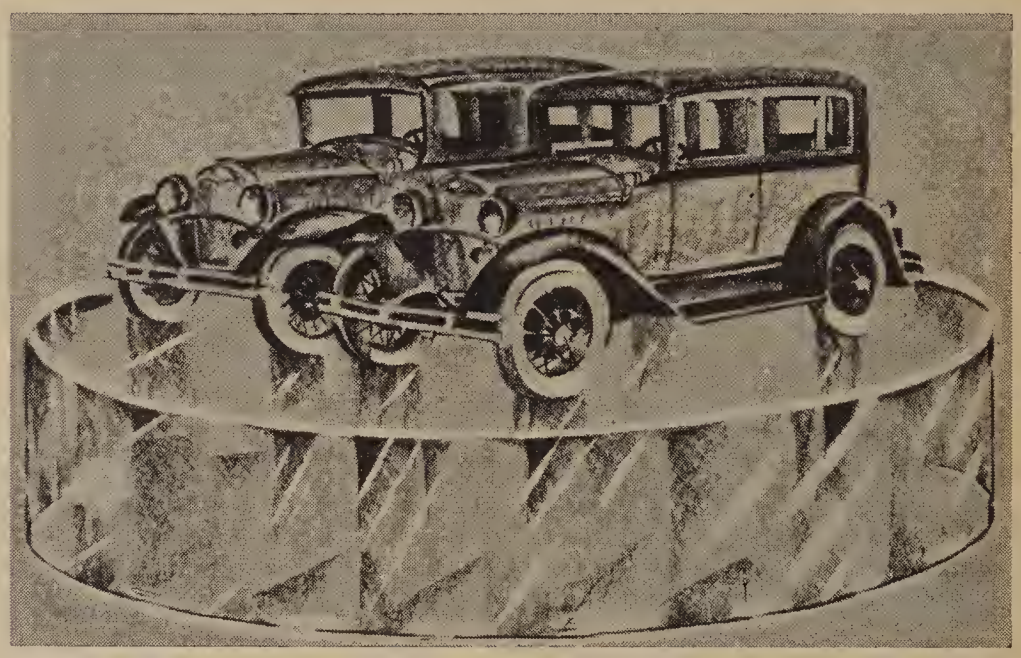
Huge Blank Built Up by Spraying Mirror for California

By John W. Hammond

HOT, searing "sleet," somewhat like a winter's sleet storm in reverse, has rained down steadily within a fiery furnace, and the largest mass of fused quartz ever produced upon the earth has thus been brought into existence. The quartz mirror makers of General Electric have completed their first experiment in turning out fused quartz on a large scale. The mass is five feet in diameter, a foot in thickness, and it weighs 4000 lb. It was made at the "furnace house" adjoining the Thomson Research Laboratory of the Company at West Lynn, Mass. Because of imperfections incident to the experimental nature of the work, it is not in itself satisfactory for finishing into a mirror, but the experiment of making it resulted in the perfection of the process. The laboratory staff now knows how to produce large masses of quartz and make them perfect, which augurs success for the huge slab to be used in the 200-in. astronomical mirror of the California Institute of Technology.



One of the Proposed Designs for Mounting the 200-inch Astronomical Mirror



A Sketch Showing the Relative Size of the Huge 200-inch Quartz Mirror

A year ago these pioneers in a new craft melted a disc of quartz 22 in. in diameter. Then they sprayed its face with powdered quartz which rained down in the billowy flame of an oxygen-hydrogen burner—the "high-temperature sleet storm"—and deposited a surface glass-like in appearance. The blank just made is 66 in. across. It has been formed entirely by the spraying method, layer after layer flowing from the burner in a stream to be melted by the intense heat, and then "freezing" solid before going through weeks of careful annealing.

To advance from a diameter of 22 in. to one of 66—an increase of 25 times in mass—might seem like the progress of a tortoise. But Professor Elihu Thomson, director of the Thomson Research Laboratory of the General Electric Company and the chief of the quartz melters, asserts: "The step from 66 inches to 100 inches, and then to 200 inches, will be much more readily taken than was the step from 22 inches to 66 inches."

This can be easily comprehended, for to go from 22 to 66 a whole new building had to be erected. A giant circular furnace pit had to be designed and constructed, with special flooring of silica brick and a lining of silica and fire brick. A sturdy electric crane, capable of lifting 135,000 lb., had to be assembled within the building and equipped with a "spider" hook-ring for lifting the cover from that shimmering interior. An intricate feeding mechanism, mounted on a traveling carriage, had to be contrived. Into this, supply lines merge, and within it powdered quartz and hydrogen gas meet under pressure, to pass directly to the burner deep within the fiery chamber, with oxygen constantly flowing through the spaces between the burner tubes. And a prolonged process of reducing the quartz from rock crystal to the purest powder of a definite grain size had to be developed, including the careful training of men whose experience of the past 12 months has made them veritable specialists in the working of silica.

Out of the solving of many such problems this five-foot quartz slab

pletes 60-Inch Quartz Mirror Disc

Molten Quartz, Like Fiery "Sleet"—200-inch Observatory Is Final Objective

has come. Most of the problems are now solved permanently. The basic process is established for the giant slabs still to follow. But long study, long hours, night work as well as day work, incessantly month after month, absorbed the talents of Professor Thomson's technical staff—chief of whom is A. L. Ellis, assistant director of the laboratory, the manager of the work—before every dilemma had been overcome.

At first a base slab was to be melted in a carbon-resistance furnace, as was done with the previous discs, and then the surface coating sprayed on. It meant a furnace of enormous size, a working temperature one-third as high as the temperature on the surface of the sun. Then, casting precedent aside, Ellis adopted the idea of fashioning the entire disc by spraying, for he and his men had gained new knowledge of the spray method in coating the 22-in. discs.

The forward step thus accomplished represents a splendid engineering feat. Up to this time the only experience in spraying quartz was the laying down upon a 22-in. disc of a surface coating of quartz 5/8 in. thick. The mass of quartz in the 66-in. disc, built up solely by spraying, weights over 4000 lb. and is nearly 15 in. thick. It represents a volume 225 times greater than that laid down on the 22-in. mirror. In engineering, generally speaking, a forward step of 10 to 1 is considered very great. Measured by that criterion, the step in going from a fused quartz disc of 22 in. to one of 66 in. with the attendant advance in the use of the spraying method was gigantic.

The net result is that the fusing of this blank will probably be the biggest single step that will have to be taken toward the production of the 200-in. mirror. The step from the mass just produced to the production of the mass for the 200-in. mirror will be but 22 to 1, instead of 225 to 1, and practically every matter about which there has been any doubt will have been solved.

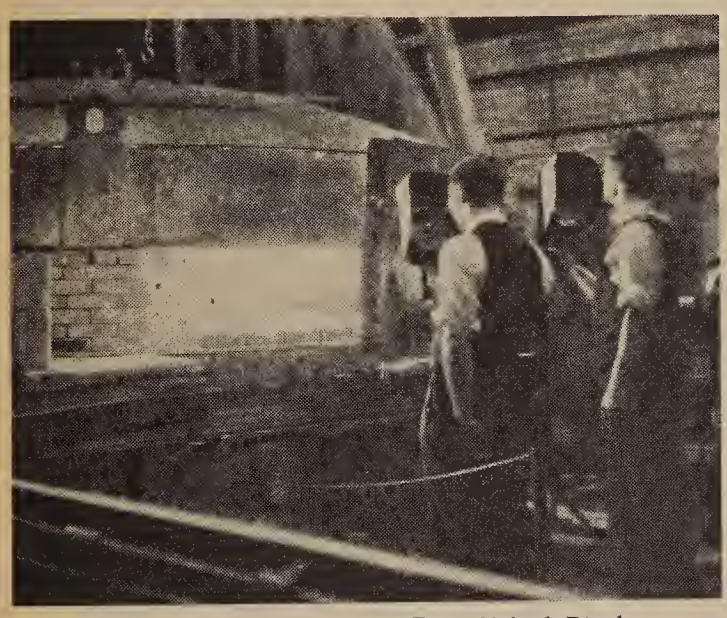
A queer, high-pitched structure of composition sheet metal bolted together and capable of being taken apart and enlarged at will contains the caldron-like crucible in which quartz is treated as it never has been treated in nature since the earth existed. A steady droning hum falls upon the ear the moment one steps inside the door. It is the ceaseless monotone chant of apparatus through which 800 kilowatts of electricity is passing into the heating elements of the 12-ft. furnace chamber. A penetrating summer-like warmth becomes instantly apparent, radiating from the circular compartment in the center of the wide room; while ascending constantly in a steady shimmer are the waves of heated air, that shake and tremble like ghosts in anguish.

And within that fiery pit? Heat in Fahrenheit degrees 20 times higher than the hottest summer day at 95! Heat that sends forth a bright glow of the deepest lemon yellow.

Embedded within this torrid bath lies the slab, with the burner moving slowly over its face, spouting



A. L. Ellis, Prof. Thomson, Dr. Walter S. Adams and H. L. Watson at the Thomson Laboratory during the spraying



Watching the Spraying of the First 60-inch Blank



The Furnace for Spraying the First 60-inch Blank

the quartz "sleet," at a temperature approaching 4000 deg. Fahrenheit. The spot where the burner is working is always about 1500 deg. hotter than the furnace itself. Encasing the burner is a shield of fused quartz and the burner is attached to a stout brass pipe within which are the tubes carrying the powdered quartz and the hydrogen and oxygen, as well as water-cooling tubes to keep the entire burner from melting.

This surprising experiment in mirror-making demonstrated the great structural stability of quartz as compared with glass. In annealing, or cooling, a glass disc of similar dimensions—a 72-in. slab recently made for the Bureau of Standards—between eight and nine months were consumed before the glass was completely cooled.

Knowing the magnitude of the stresses created by changes of temperature in glass structures in relation to the size of the piece of glass, laboratory technicians have calculated that a great slab of 200 inches would require six years to anneal if made from borosilicate (a form of soft glass). If made from hard glass, somewhat like pyrex, which would be more probable, the time necessary for annealing would be nearly nine years. In addition to this there would be the period of grinding and polishing, which lasted two years with the 100-in. mirror of the Mount Wilson Observatory. To grind and polish to a complete figure a surface area four times as great would take at least twice as long.

Finally, in the very first stage of glass work, a long period of time would probably be taken up in attempts to obtain a perfect pouring of sufficient molten glass to yield a 200-in. disc. It seems probable that altogether nearly 15 years might elapse before a 200-in. glass mirror could be turned out. The quartz mirror of this size will take only a fraction as long. Indeed, the entire period of quartz work, including the fusing of the four preliminary sizes, will scarcely be more than one-third as long.

The fusing of a second blank of the 66-in. size will begin at once, and there is every confidence that this new disc when completed can be given the finished mirror surface. Every essential element is understood not only for making the 66-in. size but also the 200-in. disc. It is known that the furnace can be operated long enough to produce a 200-in. mirror blank; that water-cooled brass tubing and brass castings comprise a dependable burner for the spraying; that the spraying of large masses of fused quartz can be stopped and started at will. It is understood how to produce sufficient quantities of oxygen and hydrogen for the 200-in. process; how to control the feeding of pulverized quartz in large quantities; how to build up large masses of fused quartz by spraying.

The success of the undertaking, creating eventually a 200-in. astronomical mirror, will open, as it were, a door, under the most promising conditions in the history of astronomy, to an area of unexplored space 30 times greater than that at present known.

From glass to quartz is the transition which the builders of stargazing telescopes perceive on the horizon. The trick of making a huge mirror out of fused quartz has been mastered, and new possibilities are thereby presented to astronomers.

Prosperity

(*Continued from page 3*)

quires team work, and plenty of it. Even though you stand squarely on the four cornerstones of prosperity, neither you nor anyone else can survive the strain without an organization to back him up."

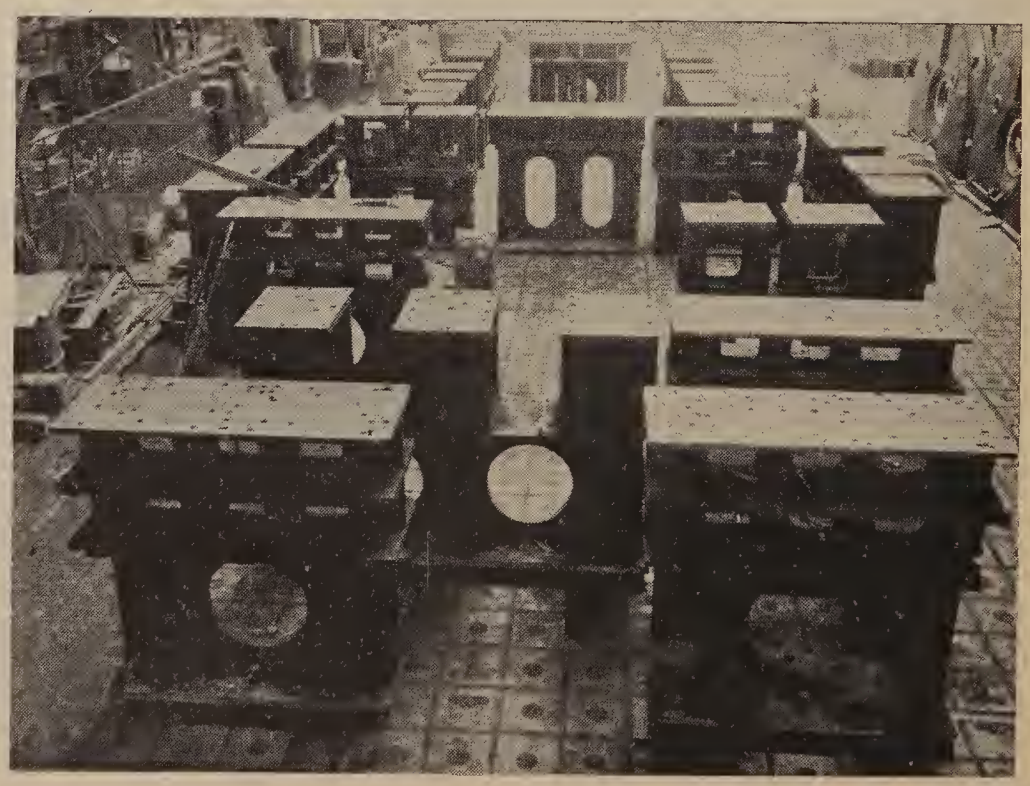
"I see," said the king. "Well then, fix things to your satisfaction at the exchequer and take up my old job where I left off."

Then he sat back in the imperial easy chair, lit a good five-cent cigar, closed his eyes and murmered, "It takes more than one man's brains to keep money in the royal bucket."

Safety Contest

MERIDEN has recaptured first place in the Inter-Works Accident Reduction Contest. Bridgeport has moved up into Division 1, displacing Bloomfield. The standings of the various plants at the end of March follow, an asterisk denoting improvement over February:

Division 1	Division 2
*Meriden	*Erie
Philadelphia	*Oakland
West Lynn	Bloomfield
Fort Wayne	ALL PLANTS
*Pittsfield	*River Works
*Bridgeport	Schenectady



The Photographer Snapped this Temporary Blocking when it Looked Much More Like the Ruins of a Greek Temple than the Beginning of a Steam Turbine-generator

Lightning, Benefactor of Mankind

A G-E Engineer Says a Good Word for the Phenomena and Gives Some advice on How to Act During a Thunderstorm

"SCURRY to the cellar and jump into the furnace if you want to be absolutely safe during a severe thunderstorm," says K. B. McEachron, research engineer in the Lightning Arrester Engineering Dept. of the Company at Pittsfield, Mass. "This is, in effect, a solid iron room perfectly grounded, which would be the ideal safe place for a human being to be. Since this is impossible, however, we should simply carry on, if we are in the house, with the ordinary routine but should remain away from overhead wires, keep away from the radio, not take a bath, be chary about using the telephone, and keep away from metal objects of appreciable size. Then we are in little danger. Some of the old ideas about protection from lightning are really sound after all.

"Lightning is one of the greatest benefactors of mankind despite its reputation for being a terrible enemy," Mr. McEachron points out. "It produces, free of charge, about 100,000,000 tons of fixed nitrogen yearly over the earth's surface. It acts in this capacity the same as heavy electric discharges do in nitrogen fixation plants. The only difference is that the bolt of lightning coming down through the air, which is approximately four-fifths nitrogen and one-fifth oxygen, breaks down the chemical constituency of the air and deposits fixed nitrogen on the soil, all at no cost to the farmer. In manufacturing nitrogen, electric sparks of from 15 to 20 ft. in length are used. In nature, lightning provides a spark thick and fast for perhaps 2000 or more feet in length, thus producing immense quantities of this absolutely essential chemical in agriculture. Hence it is that we find lightning as a great benefactor, although sometimes it does jump about wild and loose, causing considerable property damage and even loss of human life.

"One old idea about protection from lightning is that it is not wise to stand in an open doorway or near an open window during a lightning storm. It has been proved in several different ways," says Mr. McEachron, "that lightning can be blown and moved from its path by the wind. This is possible because many lightning discharges consist of a succession of lightning discharges too rapid for the eye to distinguish but not too rapid for the wind to blow along. Recently a photograph was taken of a bolt of lightning passing near a large radio transmission tower which shows very clearly the stroke being moved in its path some little distance. For that reason it is not wise to stand in an open doorway or near an open window, for if lightning should strike and be blown by the wind in the direction of the person standing, it might prove fatal. Such instances, however, are rare.

"Another old idea concerns the lightning rod. This very valuable instrument came in disrepute a number of years ago through the high-pressure methods of traveling salesmen who peddled lightning rods all dressed up with fancy bright balls and unnecessary trimmings and caused the idea to suffer in consequence. However, it is a known and positive fact that a good lightning rod, properly installed, will protect a structure 99 times out of a 100 and prevent fire and property damage. There are many cases on record where this has proved to be true. It is especially true that lightning rods are well worth while on isolated buildings, such as farmhouses and barns. Lightning seldom damages buildings in cities because most of them are constructed on a heavy steel frame which acts as a perfect ground for the lightning. Then, too, there are plenty of water pipes and steam pipes all leading to ground and making a valuable protection. Several times the Equitable Building in New York City was struck by lightning and in one instance in its frantic effort to reach ground, chipped off a large chunk of stone and bounced it into busy Broadway below. A grounded copper strip encircling the top of the building was installed and from that day to this, lightning has been discharged harmlessly.



A Photo Showing Lightning Being Blown By the Wind

"The average home is not likely to be damaged by lightning because of the fact that there are plenty of outlets to ground for lightning if it should strike. These include water pipes, vent pipes, radio antenna leads and in fact the entire house wiring system. The only trouble is that, if there is no free path provided, lightning is liable to jump about in its rush to the earth. One difficulty is that the outlets to ground do not extend out through the roof. Briefly, lightning must make a hole in whatever happens to be in the way in order to reach a conductor to the earth.

"It is a good idea to keep away from chimneys or open fireplaces during an electrical storm," Mr. McEachron continues. "Lightning, if it does strike, will find its path to the ground blocked and is liable to jump several feet in any direction at that time. One of the poorest places to be during a lightning

(Continued on page 11)

With Our G-E Girls at French Point Camp



Wirtie and Ann with a couple of the girls "take the air"

Right: The steamer "Horicon"





Left: Some fair campers pose for their pictures



Some like rowing and some do not

Below: Being lazy to music





Left: It's lots of fun to loaf



And then there's croquet

Lightning

(*Continued from page 9*)

storm is in the water. If you are swimming, bathing or enjoying any water sport during a lightning storm, you had better paddle ashore and watch the storm from a safe distance. While distribution of current in the water during a lightning storm where several bolts may have struck varies, probably 200,000 or 300,000 amperes may be released, which certainly is way beyond the average capacity of the human body to withstand. Many persons have met death in this way. Hence, play safe and keep out of the water during a thunderstorm. Also, try to stay dry.

"It is almost too trite to repeat, but under a tree is also one of the worst places to be for the simple reason that a tree acts as a good conductor during the first interval of the bolt striking but is not able to carry large volumes of current so that the discharge is liable to jump in any direction and not follow the tree to ground. Other places near which it is not safe to remain include overhead wires, transmission towers, substations, and other high-powered electrical apparatus. A steel office building, that is, an office building with a steel framework, is probably about as safe a place as any.

"In an automobile one is relatively safe, although not a bit more, and possibly even less, so than when walking on the ground. If you are in an automobile accident and the car should strike a high-tension line and wires fall to the ground, stay in the car. If you step out with one foot on the car and the other on the ground, you are liable to get a severe jolt and, quite logically, might be killed. Riding in an automobile or being in an automobile during a lightning storm is not a bit safer than walking along the ground."

To All G-E Girls

For a happy, beneficial and inexpensive vacation, there is no place like French Point Camp. Sign Now!

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of March, 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
5	1929 Dec. 1	John Maggi	54	Wife	Yes		
	1931						
21	Feb. 14	Louis Pardi	38	Wife	Yes	Wife	Yes
18	Feb. 27	Julia E. Galvin	46	Sister	Yes	Sister	Yes
17	Mar. 2	George F. Horner	59	Wife	Yes		
23	Mar. 6	Samuel A. Watson	47	Wife	Yes	Wife	Yes
12	Mar. 7	James F. Forrester	57	Wife	Yes	Wife	Yes
36	Mar. 14	Frank Spannbauer	61	Wife	Yes	Wife	Yes
2	Mar. 20	Daniel V. Wallace	42	Wife	Yes	Wife	Yes
River Works							
7	Feb. 28	Otto W. Johnson	45			Wife	Yes
23	Mar. 2	John E. Harvey	42	Mother	Yes	Mother	Yes
8	Mar. 4	Cosmo Peduto	45	Wife	Yes	Wife	Yes
22	Mar. 4	Ernest Murgatroyd	53	Wife	Yes	Wife	Yes
13	Mar. 8	Leopold M. LeBrun	45	Wife	Yes	Wife	Yes
10	Mar. 8	George F. Louis	65			Wife	Yes
7	Mar. 14	George Akerley	53	Wife	Yes	Wife	Yes
16	Mar. 14	Wm. C. Jaquith	57	Wife	Yes	Wife	Yes
Pittsfield Works							
1	1930 Dec. 12	Umberto Capitanio	32	Wife and Daughter	Yes	Wife	Yes
	1931						
11	Jan. 18	Walter W. Potter	57	Children	Yes	Daughter	Yes
4	Jan. 31	John A. Seago	27	Wife	Yes		
1	Feb. 11	Wilfrid LaFlamme	25	Mother	Yes	Mother	Yes
18	Feb. 27	Frank A. Plantier	60	Wife	Yes	Wife	Yes
2	Mar. 6	Josephine J. Sitnik	20	Mother	Yes	Mother	Yes
Erie Works							
10	Feb. 18	Harry C. Fitzgerald	37	Wife	Yes	Wife	Yes
1	Feb. 27	Stanley R. Turek	20	Mother	Yes	Mother	Yes
20	Mar. 1	Wm. T. Vivian	46	Wife	Yes	Wife	Yes
Fort Wayne Works							
18	Feb. 7	Frank Thomas	62	Wife	Yes	Wife	Yes
14	Feb. 19	John F. Wasson	46	Wife	Yes	Wife	Yes
Bloomfield Works							
7	Feb. 27	Philip Horter	55	Wife	Yes	Wife	Yes
Merchandise Department							
3	Feb. 28	George Rabik	32	Wife and Daughter	Yes		
10	Mar. 26	James Stella	62	Wife	Yes	Wife	Yes
Philadelphia Works							
11	Feb. 27	E. Madelene Rustemeyer	52	Husband	Yes	Children	Yes
19	Mar. 5	John J. Whalin	46	Wife	Yes	Wife	Yes
G.E. Supply Corporation							
2	Mar. 7	Wilbur J. Murdock	32	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
1	Feb. 27	Harmon Daniels	21	Father	Yes	Father	Yes
19	Mar. 17	Frederick Ilbery	52	Children	Yes		

Employees Retired Under the Pension Plan

Schenectady Works							
20	1930 Nov. 9	Henry Sanders	64	Wife	Yes	Wife	Yes
	1931						
28	Feb. 11	Mark D. Smith	66	Wife	Yes	Wife	Yes
22	Mar. 23	Charles Gerling	64	Wife	Yes	Wife	Yes
Fort Wayne Works							
41	Feb. 18	Collins S. Rehrer	74			Wife	Yes
General and District Offices							
24	1930 Dec. 19	Elizabeth Hogan	50			Estate	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims Paid Month of March, 1931	36	$ 41,020.52	35	$ 61,000
Claims Previously Reported, 1931	55	62,549.65	59	89,500
Total Claims 3 Months, 1931	91	$103,570.17	94	$150,500

(*Continued on next page*)

Electric Music

The Thyratron Tube Becomes an Organ

BETTYE LEE TAYLOR, organist at a Schenectady theater, sat in front of the large complicated-appearing keyboard of the theater organ. She was sitting with her back to the audience, as was her custom. "Parade of the Wooden Soldiers" was the piece she was playing; with some parts loud and with the "brass" effect, and with other parts in the pure, deep, full tones of the true organ.

She stood up, turned around, and faced the audience. The music continued. From the balcony, the beam of the spot-light shot down to the orchestra pit, and showed Miss Taylor holding a toy piano in the crook of her left arm while she played the little instrument with her right hand.

The curtains on the stage parted, revealing a small, opened box resting on a pedestal. Within the box eight small tubes gleamed with the pale blue light that is characteristic of mercury. From the box, a pair of wires led to the toy piano held by Miss Taylor, and another cable led to the theater's loudspeaker. The toy piano had been made part of a vacuum-tube organ.

Near the loudspeaker stood a radio microphone, carrying the program from Proctor's RKO Theater to station WGY, from where it was broadcast to the radio audience.

The Thyratron-tube organ had been built by engineers of the Vacuum Tube Engineering Dept. of the Company, not as a toy and not as a substitute for organ pipes, but to show in one more way the remarkable versatility of this new member of the vacuum tube family.

One of the peculiar characteristics of the Thyratron tube is that, with direct-current input, alternating-current output through a wide range of frequency can be obtained, according to the capacitance and resistance used in the circuit. In the toy organ, eight Thyratron tubes are made to produce eight different alternating-current frequencies, related to each other as are the notes in the octave of the major scale in music. Fixed capacitance is used, and the different notes obtained by using different resistances. Rheostat knobs in each tube circuit make it possible to keep the notes accurately in tune. While only eight notes are used in this toy piano, the half-notes could be included, as well as added octaves, by incorporating an additional tube circuit for each additional note. The circuit used is known as the "single Thyratron-tube inverter." Direct current for the necessary plate voltage is supplied to the equipment through an external rectifier.



Bettye Lee Taylor Playing the Thyratron Organ

Each Thyratron tube is operated continuously while the "organ" is in use. A connection is made from the plate, or output circuit, of each tube to the keyboard of the toy piano. When depressed, the keys close contacts so that single notes or chords may be obtained from the loudspeaker in series with the keys.

Both the volume and the tone may be varied by controls that have been placed on top of the toy piano.

"Organs" using the ordinary high-vacuum tubes have been built previously, but the use of the Thyratron tube—a hot-cathode mercury-vapor device—is of particular interest because this tube is usually thought of by engineers as what is termed an "off-on" type of device as distinct from the high-vacuum tube. The latter is characterized by a smooth, continuous form of control which lends itself naturally to the production of musical tones. The new "organ" demonstrates that, with the proper electric circuits, the Thyratron tube is capable of a broader field than simply that of the "off-on" effect. Used in an "inverter" circuit, the richness of the harmonics and overtones are particularly noticeable with the Thyratron tube.

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

(*Continued from page 11*)

Disability Claims

Years	Date of Grant	Employees	Age		Free Ins.	Add'l Ins.
Schenectady Works						
1931						
1	Mar. 18	Flory DeFilippo.....	38			Yes
Incandescent Lamp Dept.						
2	March	John Protz.....	18			Yes
6	March	Josephine Artino.....	23		Yes	
33	March	Louise Bradley.....	58		Yes	
Disability Claims Granted March 1931			2	$2,000	2	$ 1,500
Disability Claims Previously Granted 1931			1	800	19	31,000
Disability Claims 3 Months 1931			3	$2,800	21	$32,500
Total Death and Disability Claims since Jan. 1, 1920						$7,069,739.72

GIRLS' SECTION

With Elex Club

"April Showers" Party

THE last regular indoor meeting of Elex Club for this season was held on April 21, with a delicious cafeteria supper to start off the evening's events. Gay decorations remindful of spring, transformed the solemn hall into a bower of beauty and the girls were delighted with the dainty "hanky" corsage favors.

The special entertainment for the evening consisted of a program by the Happy Ukelele Girls and a playlet presented by three employees of the Fractional Horsepower Motor Division. The Happy Ukelele Girls, a group of 20 talented little girls all of whom were probably under 13 years of age, presented a program of 12 numbers which delighted their audience and elicited hearty rounds of applause. Georgianna Jane Jones, one of the older girls in the group, was the leader in charge. Her mother, Mrs. Abram Jones, the only adult in the group, accompanied the girls on the piano. The program presented was as follows:

1. Mandolin and Guitar—Maxine Morton, Donnalou Foutz and Georgianna Jane Jones.
2. "Heigh Ho"—By complete chorus consisting of Georgianna Jane Jones, Dorothy Volz, Geraldine Bartels, Joan Virts, Rosemary Lantz, Rosella and Donnalou Foutz, Edna and Dorothy Volz, Benita Roy, Margaret Helen Snider, Margaret, Barbara and Carolyn Stalter, Jean Michaels, Virginia Lee MacNamara, Ione Shuler, Aleda Randall, Maxine Morton and Janis Baumgartner.
3. "Springtime in the Rockies"—Complete chorus.
4. "Painting the Clouds With Sunshine"—Complete chorus.
5. "Sidewalks of New York"—Tap Dance—Virginia Lee MacNamara.
6. "Stay on the Sunnyside of the Street"—Georgianna Jane Jones and Chorus.
7. Reading—Aleda Randall and Maxine Morton.
8. Accordion and Violin Duet—Maxine Morton and Georgianna Jane Jones.
9. Reading—Joan Virts.
10. "Sleepy Town Express"—Dance with Ukelele accompanied by Rosemary Lantz.
11. "Polly Wolly Doodle"—Complete Chorus.
12. "Goodbye Elex Girls"—Complete Chorus.

The playlet presented by our own Works talent was entitled "Getting Acquainted," the parts being very cleverly portrayed by the following cast:

Jane.....Lillian Steup
Priscilla.....Ruth Holle
John Purdy.....Eddie Horstman

The entertainment program for this final indoor meeting unquestionably was one of the best of the season. It was arranged by the girls of the Fractional Hp. Motor Section with Lois Miller in charge, assisted by Hilda Walda, Hilda Puff and Edith Venrick.

Mother-Daughter Dinner

The annual Mother-Daughter Dinner for all girls of the Works scheduled for May 5 occurs too late to be covered in detail in this issue. We hope to have a picture of the crowd and a complete story of the event in the June issue of our WORKS NEWS.

Coming Soon ! ! !

May 19 is the date for the first outdoor event this season for Elex Club members. On consulting our little yearbook we find that it is to be a southern barbecue, and will be held in Foster Park. The committee tells us that there will be a real-for-sure colored chef and assistants there to carve the barbecued pig—a whole one, too. The G-E trucks which will transport the girls to the Park will leave the G-E Club at 5:20 p.m. After the big meal there will be games of baseball, tennis, etc., for those who are able to participate. All Elex girls will wish to reserve this date for surely it is going to be a mighty jolly party.

Baseball! Tennis! Archery!

GIRLS, do you want to play baseball, learn to play tennis, or to place an arrow right in the bull's eye?

Perhaps baseball is the sport that appeals to you. If enough girls come out, we shall have two teams so that they can practice and play together. We play on a beautiful grass diamond at Swinney Park and it's a real treat to play there.

Or, maybe tennis is the game you prefer. If we have at least eight girls who will come out regularly *once a week* immediately after work on a day to be decided upon later, we shall have a class at the G-E Club tennis courts on Taylor St. Do not hesitate to sign up because you have no way of getting out there; for we usually have enough girls with cars who take the rest of the girls to the courts. The G-E courts are kept in good condition and will be reserved for the girls one night each week if enough girls come out to play.

Archery is fast becoming a very popular sport. A 40-yard indoor range is located in Bldg. 4-B and 20- and 125-yard outdoor ranges probably have been laid out at the Taylor Street grounds by this time. S. B. Stillwell, of the Apparatus Drafting Dept., has kindly offered to teach any girls who are interested.

If you wish to learn any of the above-mentioned games, send a note with your name, the building and floor number where you work, the name of your foreman, and mention the game you wish to learn, to Esther Moll, Bldg. 21. She will then inform you as to the time the classes will start.

Weddings

Crabill-Miles

Again in April the Material List Dept. Bldg. 18-5 has a new bride to report. On April 25 Eloise Miles, a typist in the department, became the bride of Robert B. Crabill of this city, the ceremony being performed by the Rev. R. S. Beaver, pastor of the Grace Reformed Church. The wedding took place at the home of the bride's parents, Mr. and Mrs. Willard A. Miles.

Jentzsch-Zehner

The marriage of Elsie Zehner, formerly employed in Bldg. 17-1, and Lawrence Jentzsch, of Bldg. 17-1, occurred at one o'clock on April 28. The service took place in the Union Chapel church on the Coldwater road with the Rev. O. S. Roeht officiating. Mr. and Mrs. Jentzsch are now residing on the Auburn road.

JUNIORS' PAGE

DEAR G-E JUNIORS:

Everyone who sent in answers to the puzzle in the April WORKS NEWS found the four baby birdies hidden among the leaves on the tree. The prizes were sent to Mary Maxine Hilton and Catherine Murphy of Decatur, and Kathryn Rice, Jack Barney, Elmar Devaux, Audrey Mutschlechner and Kenneth Klenke of Fort Wayne.



Donald and Daniel Minnick, sons of Elmer L. Minnick, Bldg. 26-5

Lois Jean Stalf, Elmar Devaux, Florence Thomas, Kathryn Rice, Jack Barney, Audrey Mutschlechner, Richard Wyss, Dorothy Wyss, Gerald Wyss, Celeste Schwartz, Dorothy Gebhart and Kenneth Klenke of Fort Wayne, and Esther Fisher, Ella Fay Ogg, Donald Drake, Johnnie G. Waltke, Catherine Murphy and Mary Maxine Hilton of Decatur are the Juniors from whom we received replies. Kathryn Rice tells us she



Viola Green, Frances, Iller Mae, Eunice, Mildred and Elfate Mee

recently joined the Girl Scouts and now has her Tenderfoot pin. I think that is fine, don't you? Lois Jean Stalf writes that she is anxiously waiting for the weather to get warm enough so that she can go bathing in the lakes. All of your schools soon will be out and then you will have lots of time to play. Albert Devaux's school is out now, and he tells me they had a wiener bake on their last day at school. Surely that was fun for all—don't you think so? Mary Maxine Hilton





Nelson Robert Eddy

and Ella Fay Ogg of Decatur, and Audrey Mutschlechner and Kenneth Klenke of Fort Wayne are new members of our G-E Juniors and we hope they will regularly send us the answers to the puzzles on our Juniors' Page.

I wonder how many of you found a mistake on our Juniors' Page last month. In our letter we told about a picture of Viola Green and her stepsisters, Frances, Iller Mae, Eunice and Mildred Mee, and her half-brother Elfate Mee, but the picture was not printed as we had planned. We are sorry that the picture failed to get in last month's issue and will use it on our Juniors' Page for May. Also we have a picture of Donald and Daniel Minnich, the twin sons of Elmer Minnich who works in Bldg. 26-5 at the Broadway Plant, and a picture of Nelson Robert Eddy, who is only five months old and has a pet dog bigger than he is. Nelson's father, Theodore R. Eddy, works in the Transportation Dept. at Broadway Plant. We are always glad to have such interesting pictures for use on the Juniors' Page in our WORKS NEWS.

Spring is the time when we are enjoying the wild flowers blooming in the fields and woods and cultivated ones blooming in our yards and gardens, so, we have chosen a flower puzzle for this month. Nan, the little girl in the picture, has been quite sick during the winter and had to stay indoors most of the time; but now as the days are nice and warm she takes a walk every day. One day she walked

farther than usual and came upon a cunning little tulip house. Now this little tulip house is a greenhouse and has many lovely flowers and plants growing within and some in the yard about it. Nan was anxious to know what the flowers were growing nearby, and she noticed some letters on the tulip-petal sides of the house. As there were not enough letters to tell her the names of the flowers, she began putting letters in the blank spaces and in this way found out the names of all the flowers. How many of you can supply the missing letters and find the names of the flowers in the view.

This is the last month in our contest to see who will win the big prizes for the year, and I am quite as anxious as you are to see just who the prize winners will be. Now don't fail to send in your answers to this month's puzzle for some boy and girl who solve it correctly will probably be winners of the special annual prizes.

Yours sincerely,

Jill

On The Cover

(Continued from page IV)

ment time signals are broadcast. By means of the head phones or the loudspeaker on top of the clock Mr. Wolfe notes the variations if any between the swing of the pendulum and the seconds signals from Arlington. The plan is to have the pendulum at the end of its swing just at the start of each second signal by radio. If the pendulum is not quite in time the case of the clock is opened and the pendulum's swing retarded or increased ever so slightly by hand so that the radio signals and clock ticks will accurately coincide. On many days no error is observable when the time check is made. Sudden variation in outside temperature is most commonly the source of such errors as occur. For as long as five days at a time it has been unnecessary to make any change in the setting of our official time. Similar master clocks at Winter Street and Decatur Plants are checked by phone from our Broadway master clock each day immediately after the regular time check here with Arlington.

One of the principal functions of this master clock, of course, is the control of the office and factory time clocks. However, it also controls the factory signals for the beginning and suspension of work and at predetermined times, turns on and off the outside and stairway lights and the current to electric ovens in our Broadway Plant.

Mr. Wolfe, who is the regular attendant of the time clock equipment, also cares for the station equipment of the automatic telephone exchange, the fire alarm and patrol system, all of which are centered in Bldg. 20-2. He came here to the General Electric in October 1922 as a maintenance man on our manual telephone system which was then in use. When the automatic telephones were installed in 1925 he helped with the installation and by careful study of the circuits and observation of the equipment was soon master of the situation and able to take charge. When not on duty, Keith, as his friends know him, spends the greater part of his recreation periods in summer out boating, swimming or fishing with his family all of whom love to be in the great out-of-doors. The family lives at Leo and on more than one occasion Keith has demonstrated that there is still good bass fishing in the river up that way.



AMOS AND ANDY

Charles Braden, Bldg. 12-1 and Elmer Braden, Bldg. 26-2, when they were six and eight years old respectively.

G-E Club Activities

THE entertainment committee of the G-E Club held a progressive card party in the gymnasium for club members and their guests Saturday evening, May 9, with tables for bunco, pinochle and bridge. Prizes were offered for high score, second place and lowest score for both men and women contestants in each of the three selected games.

On Saturday, May 23, a talking-motion picture will be the entertainment at the club gymnasium with two shows as usual, one at 7:00 and the other at 9:00 p.m.

On tomorrow evening, Saturday, May 16, the gymnasium will be the scene of a club member's dance with the G-E Club orchestra furnishing music for the occasion, the dancing to start at 9 o'clock. Club membership tickets as usual will admit members and their guests.

Apprentice Alumni Hold Banquet

THE combined quarterly business meeting and banquet of the Apprentice Alumni Association was held at the Catholic Community Center on April 27. After the serving of a special Swiss steak dinner President Jennings called for the usual committee reports and then the unfinished business and new association matters which it seemed desirable to discuss. When all business of the Association had been disposed of the surprise entertainment feature for the evening was announced. This was that the crowd would adjourn to re-assemble at the Riverview roller skating rink. On arrival at the rink several 10-lap races were staged, the winners being Paul Weitzman, Henry Gollmer, Lloyd Welbaum and Jim Hartzell. Leonard Roebel was awarded the loving cup as the best skater in the crowd and Lloyd Welbaum received the lovely pillow for which he qualified by falling down the most. The party did not end until nearly 11 o'clock when the 95 members who were present gave voice to their approval of the entertainment committee's surprise.

23 Wins in 24 Starts Is Their Record



« « ATHLETICS » »

Baseball Season Opens

OPENING games in the Inter-department baseball league were played at the Taylor Street diamonds during the week of May 4, when Meter played Apparatus and Transformer met Apprentice on Tuesday evening, while Small Motor opposed Winter Street and General Service played Motor Veterans, last season's champions, on Thursday evening.

Nine teams comprise the league this season, with scheduled games starting at 5:45 every Tuesday and Thursday evenings on the two diamonds at the Taylor Street grounds.

The representative departmental teams are: Apparatus, Ed Koch, manager; Apprentice, Adam Farrell, manager; General Service, E. C. Huth, manager; Squares, N. M. Chapman, manager; Meter, Raymond Smith, manager; Motor Veterans, Freeman White, manager; Small Motor, William Weber, manager; Transformer, Ernest Hanauer, manager; and Winter Street, Wayne (Rip) Watt, manager. Ray Lindemuth and Oscar Shady will again handle the indicators for the league contests.

The G-E representative team in the City Industrial baseball league opened the season with General Cable team on May 2 and from the initial showing should be pennant contenders this season.

Manager William Glenn has selected the following line-up: Cowan 1b.; Moates and Leakey, 2b.; Bob Glenn, ss.; Enders, 3b.; Ed Kammeyer, McAfee, Kestner and Stafford in the outfield. Farrell and Bubb will alternate at the receiving position with Braden, Hanauer, Fisher and Rodenbeck on the hurling staff.

City league games are played every Saturday afternoon on the city park diamonds.

Only One Defeat to Mar the Season's Record

The G-E Juniors basketball team completed the past season with the enviable record of 23 victories in 24 starts, bettering their last season's record of 17 wins and one loss when they won the City Junior basketball league title.

The team was intended for league competition this year but on account of the few teams entered, the league schedule was dropped and the Juniors continued as an independent representative club.

Space prevents a summary of every game, but leading teams of the City Commercial and Sunday school leagues, Walther league, Community Center, Central Catholic High, in addition to out-of-town and local independent teams all met defeat at the hands of the Juniors. Their only loss was to the South Side Turner Reserves at Indianapolis by a 38-34 score. The season ended with a 32 to 17 victory over the strong G-E Decatur Reserves, and incidentally, Reynolds, all-sectional high school selection of last year, now with Decatur team, was held to one basket and two free throws by Trentadue, Junior guard, who also scored a total of four points in this game.

The Juniors piled up a total of 842 points to their opponents' total of 420. Florent and Hunt tied in the individual scoring with 210 totals. Florent had ten more field goals than Hunt, but the latter registered a greater number of foul goals. Strouse sank 88 double counters and 22 charity tosses during the season. Richards totalled 110 from 40 baskets and 30 free throws. Trentadue had 31 field and 22 foul goals for a total of 84 and Staight totalled 30 with 13 baskets and 4 free throws. While the center and forwards did most of the scoring, every player was a threat on offense and the teams' defensive tactics forced most opponents to resort to long shots. One fan remarked that the Junior defense was "like an orange-colored blanket smothering every advance."

All of the youngsters—they are in the 18-19 year group—have developed into real players. Florent's work at center and his accuracy on shots from the pivot play stamp him as a real comer. Strouse and Hunt combine speed with their ability to connect on both underbasket or spot shot attempts. Richards and Trentadue handled the guard assignment in great style, starting the offensive drives and adding their share to the scoring. Staight, filling the so-called "back-guard" job, proved a barrier in every game and also took the opportunity of scoring an occasional field goal.

The Juniors' passing and floor work showed the result of intensive practice and devotion to the game. Their sportsmanship and conduct has made them popular and they are favorites of a majority of the G-E Club fans.

As a fitting climax to the season, the Junior squad enjoyed a steak dinner at Leland's and attendance at the Emboyd Theater as guests of Coach Ralph Perkins.

INDIVIDUAL SCORING

	G	FT	FG	Total
Florent	22	96	18	210
Hunt	24	86	38	210
Strouse	24	88	22	190
Richards	22	40	30	118
Trentadue	24	31	22	84
Staight	24	13	4	30



C. R. Atkinson, Bldg. 19-3, and the Medals He Won at the State Indoor Shoot

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Softball League Starts Play

Fourteen teams are entered in the Inter-department Softball league this season and games are being played on the two diamonds at the Taylor Street grounds nearly every evening of the week in order to take care of the heavy schedule.

Representative teams from Refrigeration, Transformer, Plant Construction, Apprentice, Distribution, Apparatus, Winter Street, Main Office, Tool Making, Squares, Laboratory and Fractional Motors divisions are settling down to the grind and are already displaying mid-season enthusiasm in this popular pastime.

Paul Berghorn is managing the league, and will probably select players from the circuit for the representative team in the city industrial league.

G-E Men Take Honors in the State Matches at Culver

C. R. Atkinson, Bldg. 19-3, a member of the Fort Wayne Rifle and Revolver Club, won four medals at the State Indoor Matches held by the Indiana State Rifle Association at Culver on March 28.

The Fort Wayne civilian team of which he was a member won first place in both rifle and pistol team matches, and the members of the team were awarded gold medals. Mr. Atkinson also entered two individual rifle matches,

one fired from the prone and the other from the standing position, and the individual pistol match. He won the standing position rifle match and the grand aggregate, with the gold medal award for each accomplishment. His individual scores were, rifle, standing, 183 x 200, rifle, prone, 199 x 200, pistol 87 x 100—total 469. Second place total was 461, the same as first place score of last year's meet.

The Fort Wayne National Guard, Co. K, 152nd Infantry team, captained by Captain John F. Houck, Bldg. 19-5, and including B. C. Girardot, Bldg. 10-2, on its roster, won the military championship team match at the Culver meet.

Inter-Dept. Volleyball Trophy Awarded

While making a business call at the G-E Club, Mr. Lee, manager of the Kay Jewelry Co. store, was impressed with the activity and interest shown by the large number of employees using the facilities of the building, and also noticed the two large cases of trophies and awards won by G-E representative teams.

Mr. Lee expressed a desire to give a suitable trophy for one of our leagues, and being interested in the game of volleyball, selected the Inter-department volleyball league for his contribution.

The Kay Jewelry Company cup, suitably engraved with the winners' name, has been awarded to the Fractional Motors team, champions of this season's Inter-department volleyball league.

Bowling Notes

The G-E Club bowling team, comprised of Hal Stewart, Ted Schlup, Ed Schrantz, George Huber, George Luedeman and Frank Quinn, captain, won the roll-off for championship of the City Major league, defeating DeWald Tire team by 16 pins. The totals were 2991 and 2975, the G-E Club team getting their margin in the final game after being outscored in the first two games.

The G-E Club team had won the first half of the season's scheduled games while DeWalds took the second half honors.

Hal Stewart was high man with a 663 total, followed by Zurcher with 615. Balke and Quinn were also over the 600 mark. Quinn had 240 for high single game, while Stewart counted 235.

The scores are as follows:

G-E Club

Quinn	205	164	240
Schlup	181	223	191
Schrantz	209	208	130
Huber	171	226	180
Stewart	204	224	235
Totals	970	1045	976
Grand Total			2991



Manager Lee of the Kay Jewelry Co. and the trophy he presented to the Inter-departmental Volley Ball League.

DeWald Tire Co.

Pace	181	198	182
Paxton	220	208	165
Baulkey	222	207	182
Zurcher	202	235	178
Scott	202	203	190
Totals	1027	1051	897
Grand Total			2975

Small Motor Team Wins Bowling Tournament

The Small Motor team, of Bldg. 17-1, won the City Industrial bowling tournament and set a new high mark of 2897 at the G-E Club alleys. The same team won the tournament in 1926 playing under the name of Thompson's department, of Bldg. 4-3.

Carl Schoenherr put the team over by getting 10 straight strikes in the last game, finishing with a 289 total for high single tournament game. He also bowled high three game total of 696 pins.

Hal Stewart, G-E, and H. Miller, Post Office, tied for Class A singles. F. Matthews, Western Gas, won Class B singles. Class A all-events was won by Clif Morton, Home Tel. Co., and F. Matthews, Western Gas, also took Class B all-events.

The tournament was very successful, there being 35 teams, 51 doubles, 40 Class A singles, and 39 Class B singles entered.

The Small Motor team members were: Frank Quinn, captain; Carl Schoenherr, Oscar Schelper, Harry Kessler and Walter Larimore.

Inter-Dept. League

The Apparatus team won the championship of the Inter-Department bowling league by defeating Winter Street team, first half winners, in the play-off games by a total of 2932 to 2758.

Jackson led the league with an individual average of 205 for 84 games, followed by Stewart with 203. Jackson also holds high three games with a 709 total and high one game count of 289.

Championship games scores:

Apparatus

Tagtmeyer	160	257	215
Hoke	199	183	209
Schrantz	168	213	182
Schlup	177	181	179
Cox	181	267	161
Totals	885	1101	946—2932

Winter Street

Auer	193	193	180
Hickman	186	166	159
Walda	173	188	193
Cook	180	151	192
Stewart	189	196	219
Totals	921	894	943—2758

* * *

A. L. Knoll, Bldg. 19-4, won the Saul's Individual league bowling championship by defeating Dick Rump in a six-game roll-off at the Stirk's Alleys. Knoll had won the first half, and Rump the second half of the season's schedule. Mr. Knoll was awarded an inscribed silver bowling ball on pedestal and the League championship title.

In the Ladies' division of Saul's league, Anita Rump, of the Employee's Store, won first half honors but was defeated by Millie Ruby, second half winner, in the roll-off games. Miss Ruby was presented an inscribed silver cup at the completion of the deciding games.

* * *

The Hack Drivers gave the Hay Hackers a ride, defeating them 2660 to 2543, in their annual game. Ed Kromm led the Drivers with 228 and 609 scores:

Summary of games:

Hack Drivers

McKerring	158	151	147
Kline	155	189	145
Kromm	228	209	171
Nicoli	171	157	181
Cochoit	187	216	195
Totals	899	922	839—2660

Hay Hackers

Foelinger	183	165	178
Kissinger	152	160	166
Prince	167	118	163
Szink	169	163	176
Franke	194	174	215
Totals	865	780	898—2543

Foremen's Association League

Team Standing

	W	L	Pct.	Ave.
Transformer	23	10	.697	885
Small Motor	20	13	.606	873
Water Cooler	20	13	.606	864
Meter	19	14	.576	871
Refrigeration	18	15	.545	864
General Service	17	16	.515	850
Fire Dept. Hose	16	17	.485	848
Duplex	15	18	.455	874
Tool Supply	15	18	.455	860
Wire & Insulation	14	19	.424	847
Inspection & Test	11	22	.333	842
Fire Dept. Nozzle	10	23	.303	831

High Team Score—One game Transformer, 1018
High Team Score—Three games Transformer, 2820

Individual Averages

	G.	Ave.		G.	Ave.
Harkenrider	90	190	Weitzman	90	157
Buuck	93	184	Bienz	96	156
Grimme	69	178	Thiele	99	154
Bell	45	178	Auman	90	154
Tobias	78	176	Kissinger	96	154
Foellinger	93	174	Hire	60	154
Haberkorn	48	173	Kabisch	78	153
Prince	96	171	Platt	99	152
Boyce	75	171	Mueller	78	150

Long	63	171	McAtee	99	150
Bennigan	84	171	Eyelnberg	27	150
Szink	99	169	Sivits	96	149
Bunting	81	169	Kammeyer	87	149
Franke	15	168	Meyers	99	149
App	96	165	Wiedelman	75	148
Schwartz	99	165	Glusenkamp	90	147
Kelsey	87	164	Hart	99	146
Walt	66	163	Steinbacker	57	145
Garihan	87	163	Kruge	87	145
Holloway	96	163	Hoffman, F	30	144
Hoffman, R	66	162	Harrigan	93	143
Skevington	93	162	Gollmer	77	141
Nahrwold	96	161	Knocke	84	140
Schild	72	161	Anderson	72	139
Schafenacker	96	161	Tuttle	96	136
Rockhill	81	160	Sordelet	66	133
Hermely	93	159	Simpson	75	130
Hall	84	159	Banks	81	128
Herney	99	158	Schwartzkopf	99	124
Bobay	90	157	Wolf	45	103

Small Motor League

TEAM STANDING

	W	L	Ave.
No. 12	18	9	856
No. 6	17	10	858
No. 7	15	12	856
No. 1	15	12	845
No. 8	15	12	840
No. 5	15	12	837
No. 2	13	14	852
No. 10	13	14	829
No. 11	12	15	841
No. 4	12	16	837
No. 9	11	16	831
No. 3	6	21	822

High team score—One game, No. 1, 978
High team score—Three games, No. 2, 2756

INDIVIDUAL AVERAGES

	G	Ave.		G	Ave.
Quinn	90	192	Gitter	36	163
Kammeyer	48	186	Ranck	90	162
Franke	84	184	McKee	54	161
Rapp	69	180	Schwalm	39	161
Heinley	60	180	Graham	90	158
Cochoit	66	179	Stute, E	57	158
Tobias	57	178	Walt, R	84	157
McCullough	93	178	Riley	39	157
Kromm	93	177	Wilson, V	90	155
Joseph	93	177	Cooper, P	90	154
May	90	176	Kroeger	66	154
Daley	93	175	Kline	93	152
Nicole	51	174	Lash	93	151
McKering	93	172	Alger	57	151
Wyss	60	171	Gibson	69	151
Meyer, J	93	170	Miller	93	148
Straub	75	170	Koogle	63	147
Stute, A	93	170	Marsh	78	146
Reiter	78	169	Koogle, P	57	146
Frauhiger	30	169	Hartman, M	75	144
Cooper, G	84	168	Sible	21	144
Hott	90	167	Archbold	93	143
Meyer, O	45	167	Heuer	87	139
Stahl	48	166	Batson	72	138
Kirkendall	90	166	Auer	81	138
Walt, W	57	166	Vachon	72	131
Hartman, G	87	165	Wagner	54	126
Larimore	93	165	Wilson, F	84	125
Rose	45	164	Sroufe	72	117
Archer	93	163	Lhamon	90	114

Meter League

TEAM STANDING AND AVERAGE

Team	W	L	Pct.	Ave
Covers	19	11	.633	870
Gears	19	11	.633	846
Seals	17	13	.567	856
Magnets	16	14	.533	856
Terminals	16	14	.533	855
Elements	16	14	.533	850
Discs	16	14	.533	838
Registers	15	15	.500	857
Bases	14	16	.467	852
Leads	12	18	.400	842
Jewels	12	18	.400	828
Pivots	8	22	.267	825

INDIVIDUAL AVERAGES

Jackson	93	200	Sexton	87	166
Stewart	75	197	Geisler	96	165
Knoll	84	195	Didier	90	165
C. Rump	87	190	Mettler	78	165
Bushing	96	186	Schafenacker	96	164
Dreyer	90	184	Bauer	75	163
E. Kammeyer	96	181	Ridgley	30	163
Lawrence	96	180	Gisher	84	163
Hueber	78	180	Kimmel	12	162
Voorhees	66	179	Castor	84	161

Rietdorf	84	178	Beitel	78	161
Jacobs	75	178	Molthan	87	161
Nieman	96	177	Payton	84	159
Hoelle	18	177	Schwalm	96	158
Snyder	96	176	George	90	158
V. Rump	93	176	Laubenstein	90	158
Allen	48	175	Hambrock	27	158
Greek	93	175	Sordelet	84	157
Weick	75	175	Steup	96	157
Thompson	42	175	Winstel	75	156
Knock	90	174	Spade	87	156
Haberkorn	87	173	F. Kammeyer	75	155
Heine	78	173	Hermely	87	155
Evans	76	172	R. Kammeyer	90	153
Schoenlein	92	171	Koehlinger	96	153
Schwartz	96	170	Moellering	96	151
Caston	51	170	McCoy	81	149
Wood	60	170	Payne	90	145
Witherow	78	169	Adams	90	143
Johnson	96	168	Freehill	93	135

INDIVIDUAL AVERAGE

High individual score—one game, Greek, 257.
High team score—one game, Bases, 1044.
High individual score—three games, Jackson, 697.
High team score—three games, Covers, 2822.

Inter-Dept. League

FINAL STANDING

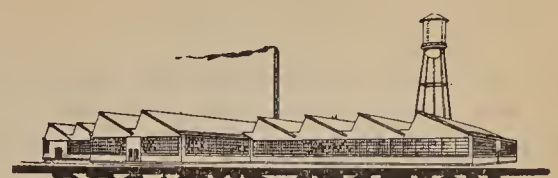
Team	Won	Lost	Av.	H.1G	H.3G
Apparatus	30	12	929	1069	3038
Fire Dept	24	18	936	1028	2945
Meter Model	24	18	919	1043	2996
Athletic	22	20	925	1039	2978
Small Motor	20	22	926	1054	3010
Winter St	20	22	926	1043	2924
Meter Dept	17	25	905	1041	2967
Gen. Stores	11	31	905	1053	2902

FIRST HALF

Winter St	28
Fire Dept	25
Athletic	24
Small Motor	23
Apparatus	22
Meter Dept	16
Meter Model	15
Gen. Store	15

INDIVIDUAL AVERAGE

Name	G	Ave.	High Single Game	High Three Games
Jackson	84	205–28	289	709
Stewart	75	203–49	256	699
Doehrman	42	199–35	245	646
Bryan	78	195–70	255	700
Zurcher	42	195–33	246	675
Harkey	66	194–59	248	681
Schlup	72	193–55	259	676
Knoll	63	193–33	244	658
Kopp	78	191–56	249	649
Quinn	84	191–23	242	672
Cox	84	190–74	278	695
C. Rump	72	190–61	237	647
Auer	63	190–53	247	652
Schrantz	75	186–73	263	667
Huber	63	186–12	256	618
McAtee	84	186– 8	247	705
Hueber	63	185–52	248	640
Bushing	81	185–31	235	636
Cochoit	42	185–16	245	629
Einseidel	42	185– 6	245	634
Lankenau	66	184–60	231	634
Hoke	27	184–26	236	651
Stone	84	184–24	279	623
Bloomberg	30	184– 1	226	597
Tagtmeyer	84	183–60	235	651
Luedeman	84	183–47	226	649
C. Walda	66	183–23	233	623
Kammeyer	69	181–39	229	619
Kammer	60	181–10	235	622
Saaf	81	178–56	248	638
Hamilton	45	178–43	220	610
Barney	69	178–25	244	604
A. Walda	81	178–	232	627
Seymour	66	177–51	236	607
Orff	81	176–43	235	611
Cook	81	175–78	234	612
Shober	81	175–58	236	595
Hickman	75	173–70	257	612
Lindemuth	48	173–35	221	592
V. Rump	81	173–16	237	598
Plaisted	78	173–13	245	646
Allen	78	173– 7	235	589
Greek	72	173– 1	256	582
Kissner	57	168–20	215	569



DECATUR SECTION

Recent Deaths

Clay Engle

CLAY ENGLE, an employee in the Stator Dept., Decatur Plant, died April 17 at the Adams County Memorial Hospital following an illness of several months. Mr. Engle, who was well known among his co-workers as a baseball referee and general booster for employeeactivities, started as an employee of the General Electric Plant on March 29, 1923, as sand-blast operator under Foreman Frank Braun. Later he was transferred to work as operator of the hydraulic stator press with Foreman John Knott until Dec. 8, 1930, when ill health caused him to give up his work. The funeral was held April 19 from the home on South Winchester Street with burial in Maplewood cemetery.



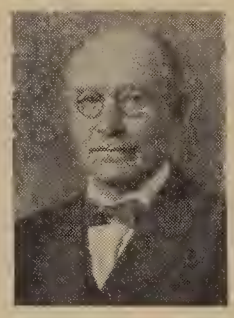
Clay Engle

William Murtaugh

William Murtaugh, 38, an inspector at Decatur Plant, died at the Adams County Memorial Hospital on April 24. Mr. Murtaugh started his service at the General Electric on Sept. 28, 1925, as an inspector in the Stator Dept. Because of lack of work he was laid off in May, 1927 and was not reengaged until April 9, 1929. From then until the beginning of his last illness on March 23 he was regularly employed at the Decatur Plant. During the World War he served overseas with the 307 Engineers and received a citation for bravery in the laying of a bridge across the Meuse river while under heavy fire. The funeral was held from the St. Mary's church at Decatur with burial in St. Joseph cemetery.

Service Anniversaries for May

Fort Wayne Plant



August Kayser

40 Years

August Kayser - - May 5, 1891

25 Years

Ray J. Hoffman - - May 4, 1906
Elenore Plock - - May 10, 1906
Charles Backofen - - May 14, 1906
Otto Kirby - - - May 14, 1906
William Volkening - - May 21, 1906
Martin Scheiman - - May 28, 1906

20 Years

Otto C. Rolf - - May 15, 1911
H. D. Murphy - - May 31, 1911

15 Years

Paul E. Bohn - - May 1, 1916
Henry B. Spackman - May 1, 1916
Elsie M. Morris - - May 2, 1916
R. Valentine - - May 3, 1916
William H. Miller - - May 4, 1916
Leo J. Nyboer - - May 4, 1916
Ed. Parisot - - May 8, 1916
William F. Knuth - - May 8, 1916
Harry M. Seitz - - May 9, 1916
Paul Wm. Meinzen - May 9, 1916
Goldie Mentzer - - May 9, 1916
Ralph L. Campbell - - May 11, 1916
John F. Houck - - May 16, 1916
Albert G. Baker - - May 16, 1916
Arthur M. Brown - - May 16, 1916
John S. Sowers - - May 18, 1916
Albert Berger - - May 20, 1916
Earl L. Lenz - - May 23, 1916
Daniel Johnson - - May 29, 1916
Harley J. Berry - - May 30, 1916

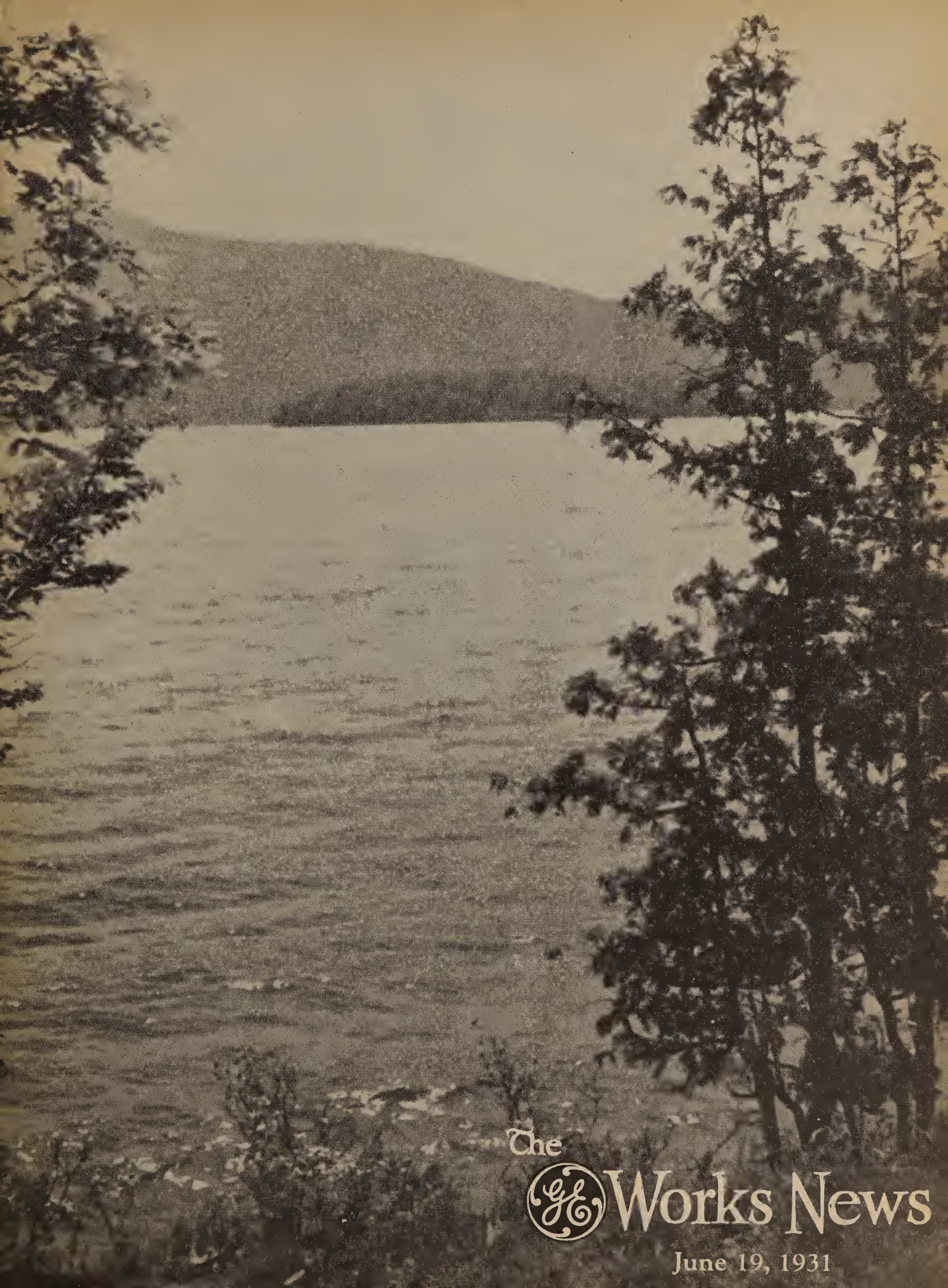
10 Years

Walter H. Zollinger - May 5, 1921
Arthur Johns - - May 7, 1921
Eva Baker - - May 11, 1921
Frank B. Offner - - May 30, 1921
Matthew N. Whicker - May 16, 1921
John Daily - - - May 28, 1921
Curtis Quackenbush - May 28, 1921

Decatur Plant

10 Years

Charles Baxter - - May 5, 1921



The GE Works News

June 19, 1931

On the Cover

SUMMER time brings with it a mighty exodus to all the lakes and rivers in the country. Bodies of water seem to have a strange fascination for all of us. On our cover this month we have a view of what is considered by many one of our most beautiful lakes, Lake George in New York State. Here many G-E employees spend their vacations, and here G.E. maintains French Point Camp for all G-E girls.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 June 19, 1931 No. 6

Incidents Leading to the Beginning of Fort Wayne Works Fifty Years Ago

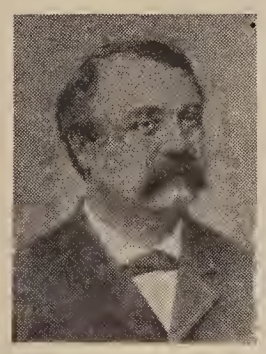
JULY 11 will be a date of special interest to us here at the General Electric as it will mark the 50th anniversary of an event which led to the establishment of our factory here in Fort Wayne. It was just a chance conversation between John Kiess, one of our pensioned employees, and two strangers from out-of-town whom he met one evening 50 years ago at the old Aveline Hotel, that led to the establishment of the electrical manufacturing industry here. It is a story which has been published before but we think it may well be repeated as we approach the semi-centennial of our Fort Wayne Works.



John Kiess



William Driftmeyer



Ronald T. McDonald

Surely Mr. Kiess, who was then only a young clerk in the warehouse of a wholesale dry goods firm, little suspected that his meeting at dinner with the two men from Ann Arbor, Michigan, might lead to such momentous developments for our city; and as little did he guess that he would spend the remainder of his active business life in the new industry which his action on this occasion was to bring to Fort Wayne. And it all scarcely would have happened had not Mr. Kiess just returned from a week-end visit to Cleveland, Ohio, where he had observed what was then an unusual sight, electric lighting of the railway station there.

It had been only a short time before that Brush arc lights had been installed to light the Cleveland railway station and the brilliance of the lighting so impressed Mr. Kiess that he secured all the information he could about this new form of light and took occasion to visit the power station nearby, where he observed the dynamos in operation furnishing current for the lamps. It was only natural, therefore, that Mr. Kiess should mention this new electric form of lighting when he fell into chance conversation with these out-of-town guests at the Aveline after his return. When he mentioned the electric arc lamps and dynamos he had seen in operation the two men from Ann Arbor took especial interest in his remarks. When he had finished with his story they told him that they, too, were especially interested in the matter of electric lighting and in fact had come to Fort Wayne to interest business men here in the manufacture of dynamos and an arc light of which they had the disposition of certain patent rights and had brought with them a dynamo and arc lamp which they had hoped to use for a demonstration, but in the several days they had been in town, they had met with little encouragement of success and accordingly had decided to move on to some other town. On hearing of their failure to get anyone interested in this wonderful lighting which he had witnessed Mr. Kiess asked them if they had approached his employer, R. T McDonald of the firm of Evans, McDonald & Co. He told them that Mr. McDonald was a young man of great initiative and considerable means and he thought that before they left town they would do well to present their proposition to him. Moreover he told them that there was a small steam engine in the warehouse that might be suitable for driving the dynamo for a demonstration and his enthusiasm for the proposition resulted in the strangers changing their plans. The next day they appeared at the warehouse where Mr. Kiess worked. Mr. Kiess introduced them to Mr. McDonald and a long conference ensued. When it was over arrangements had been made to give a demonstration of the arc lamp at the Evans, McDonald & Co.'s warehouse and the new industry was saved for Fort Wayne.

James A. Jenney and a Mr. Hicks, whose given name is unknown, were the men from Ann Arbor who brought this first dynamo and arc light to Fort Wayne. The dynamo and lamp which they had brought with them for the demonstration had been designed by Professor Langley of Michigan University, but Messrs. Jenney and Hicks it seems were primarily interested in certain inventions of Charles D. Jenney, a son of Mr. Jenney, although this does not appear in the newspaper accounts of the time.

It is interesting to note here that another of the employees of the Evans, McDonald & Co. who was connected personally with this

first and later demonstrations of the arc lighting apparatus, became one of the original employees of the new electrical manufacturing company that was formed, and remained steadily in its employ all the remaining years of his active career. The man was William Driftmeyer (deceased), the father of Herbert Driftmeyer of Bldg. 26-3. Mr. Driftmeyer was the engineer in charge of the steam engine at Evans, McDonald & Company and in this capacity helped in setting up the apparatus for the demonstrations of the arc light and ran the equipment for many of the public demonstrations that were subsequently made while the process of organizing the new company was under way. In certain memoirs which Mr. Driftmeyer prepared in 1914 we have found reference to the following newspaper accounts of these initial demonstrations. The demonstration of July 11 evidently was a more or less private one to which Mr. McDonald had invited a number of his business friends. It was followed on the next evening by an exhibition of the light open to the general public. The newspaper accounts reproduced are from the Fort Wayne *Daily Sentinel* issues of Tuesday evening, July 12 and Wednesday, July 13, 1881, which are on file in the Public Library.

Ft. Wayne Daily Sentinel
Tues. Evening, July 12, 1881

LANGLEY LIGHT

A Test at Evans, McDonald & Co.'s Wholesale Store Last Night

Gas Light Laid in the Shade by the Brilliant Electric Light

Probably a Company to Manufacture the Machines Will be Organized

Last May the Langley Electric Light Company was organized at Ann Arbor, Mich , with a capital stock of $100,000 for the purpose of introducing the invention of Prof. Langley and to manufacture and sell the electric lights, the rights patented concerning the production of the light, the generators and other instruments for that purpose.

In speaking of this invention the Ann Arbor *Register* says:

"Professor Langley began his experiments with the electric light, about four years ago, when he invented and manufactured a generator for use in his class rooms, and for its illustration of his lectures, at that time having no intention of making a business of manufacturing the lights. He however continued his investigations and experiments, made improvements, and up to this time has secured or applied for seven patents, in all, relating to the light. The governor for which the professor has recently secured a patent is an important invention, by which the light is controlled and the flickering reduced to a minimum. The Langley light is pronounced by competent judges to be superior to the Brush light, which is now so extensively manufactured. Prof. Langley's is an arc light, designed for lighting large areas, indoors and out."

As stated in last evening's *Sentinel* a test of this light was made at the store room of Evans, McDonald & Co., and nearly all our large manufacturers and capitalists were present and eagerly listened to the interesting explanations of Prof. J. A. Jenney, who has charge of the business, and who thoroughly understands all its workings, as he is a practical electrician and an educated gentleman. His explanations were lucid and easily understood and his words carried weight with them.

Among those present were Messrs. J. H. Bass, William Fleming, O. A. Simons, Henry Olds, Charles Olds, Al Cressler, David Creighton, S. Bond and other gentlemen of means and brains and all pronounced the light produced to be the best they ever looked at. The light last night was of the capacity of 2000 candles or 133 gas jets, and was of a soft, mellow glow which did not hurt the eye unless the gaze was fixed on it too long, and the store room was lighted up as though by the noon-day sun.

After viewing the light for some time it was suggested that the gas should be lighted and the electric light put out which was done, and every one present uttered exclamations of surprise at the change. It looked as though the sun had suddenly gone down and left the building in the first glow of twilight. The electric light was then turned on, and the gas lights looked like tallow dips placed in a large dark room and the rays of the sun suddenly introduced. This test seemed to satisfy every one that the Langley light certainly had merits of no mean order, and our business men were seen to converse with each other in subdued tones in regard to the affair, and the probabilities are that a company will be formed here to manufacture the machines.

The electricity is created by a simple machine composed of a U-shaped piece of cast iron surrounded by a coil of insulated copper iron—and between the arms of the U span iron is a cylinder of copper wire—which on being revolved by steam, water or any motive power, produces a current of electricity, which is conducted by wire to the electric lamp. The light is produced by the current automatically separating the two carbons of the lamp and producing what is termed the arc. In the Langley lamp the carbons are placed in a tube which keeps the carbon points in a perfectly straight line, thereby causing the consumption to take place at the point, instead of burning on one side and then the other, which causes the flutter or flicker of the flame as in other forms of lamps. The cost of carbon for a large lamp is about one cent per hour. The power from a lamp is one to one and a half horsepower.

Another exhibition of this light will be made at the same place this evening and those interested are invited to be present and examine it. Prof. J. A. Jenney will be there to explain the modus operandi and operate the machine.

From what we have seen of this light it appears to us that our city could be well and cheaply lighted and for large business houses nothing more desirable could be procured.

Prof. Jenney stated last night that it would cost one cent an hour to furnish the light he was then showing providing the party using it had his own power to run the generator. The generator can be run by water power just as easily as it can by steam power, and the light can be divided into half a dozen lamps if necessary, but all the lamps would only produce the same amount of light he was then showing but would be better distributed.

Mr. Hicks, of Ann Arbor, is also here in the interest of the light, and will be delighted to have all persons interested call on him at the Aveline house, and he will enter into the details of the matter and explain how the machines or territory can be purchased.

The account of the public demonstration is as follows:

Fort Wayne Daily Sentinel
Wed. Evening, July 13, 1881

LANGLEY LIGHT

Some 1500 or 2000 people called at Evans, McDonald & Co.'s store last night to witness the second trial of the Langley electric light. In the crowd was noticed some of our most influential business men, with a goodly sprinkling of ladies and "noncombatants." The display last night was superior, if anything, to the display of the night before and those who were present last night felt amply repaid for coming. The lamp had been moved into the main room while the generator remained in the rear room.

A goodly number of our capitalists and business men are figuring on the purchase of the right of the state and it is presumable that the hum of the machinery which will make the generators will soon be heard in our midst.

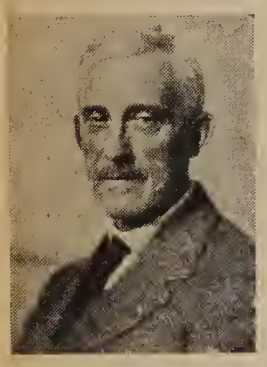
Professor Jenney manipulated the machine and gave all the information to those who appeared interested in the matter.

Two well-known manufacturers and capitalists seem to be anxious to take hold of the business for this section of the country. It is to be hoped that this light will be introduced as it is as far superior to gas as gas is to a tallow dip.

(Continued on page 16)

A Sketch of Mr. Barnes' Earlier Life

ALTHOUGH Mr. Barnes is known personally to nearly everyone in the employ of the Fort Wayne Works there are many, no doubt, who never have heard the story of his earlier life, so we take occasion to give some of the incidents which preceded his long career as general superintendent of our Fort Wayne Works.



E. A. Barnes

Mr. Barnes was born on June 13, 1865, at Dhurmsala, Northwest Province of Punjab, British India, a military post located in the Himalaya Mountains on the border between India and Afghanistan. Mr. Barnes' father was an officer in the British army and he was then stationed with his command at this frontier post for the purpose of keeping in control the Pathans, Afridis and other lawless tribes which inhabited the region of the Khyber Pass. In 1869 these troops were ordered to return to England and the Barnes family journeyed with the troops from India to Suez on the Red Sea by troop ship *Jumna*, thence overland by train to Port Said on the Mediterranean (the Suez Canal was not yet completed) and again by troop ship *Serapis* to Southampton, England.

In the ensuing years the military career of the father occasioned many changes of residence for the family and we find Mr. Barnes' early life spent in military barracks and brigade depots at Portsmouth, Bradford, Sheffield, Dublin, Spike Island, Cork, and the channel islands off the coast of France. His education, however, was not neglected, although it was obtained partly in England, Ireland and Scotland.

When 19 years of age Mr. Barnes had his first contact with the electrical industry. He secured a position in the offices of the Consolidated Telephone Company of London and there first met America's great electrical genius, Thomas A. Edison. The telephone company for which Mr. Barnes worked was affiliated with the Edison interests in America and Mr. Edison accordingly visited the offices of the Consolidated Telephone Co. while on a visit to England. An incident which Mr. Barnes well remembers is that Mr. Edison observed the typewriter in use in the office had no index for indicating the position to set the paper in correcting errors that had been made, so then and there Mr. Edison undertook the construction of such a device. By means of a wooden scale and pointer which he made, the typewriter soon was equipped with an index that would enable the operator to correct errors neatly and quickly on the machine. Wishing to get more interesting phases of the electrical business Mr. Barnes was apprenticed to the firm of Patterson & Cooper, Dalton near London, where he learned about the building of direct-current dynamos, commutators and arc lamps. This firm furnished some of the stationary converter equipment designed by Goulard & Gibs for the lighting of a section of the tunnel and passenger stations of the Metropolitan underground railway system. This was one of the first plants installed and the converters, or transformers as they are now called, were operated in series, which was soon found to be impractical and the transformer system was changed over to multiples and the regulation and operation was, as a result, greatly improved.

In 1885 Mr. Barnes came to America, intending to stay only a short time as he was accompanying a relative who was ill and wished to try the effects of the climate and fresh fruits of Florida toward regaining his health.

On his meditated return to England in that same year Mr. Barnes while in New York City visited some American friends and was advised by them to remain in America and get experience with the Edison interests in New York. Accordingly in 1886 he took a position in the test room in the factory of Bergman & Company, 17th Street and Avenue B in New York, which was then manufacturing rheostats, lamp sockets, and wiring supplies used by the Edison Company on their installations of incandescent lighting equipment. Mr. Edison at the time maintained a laboratory on the top floor of the Bergman & Co. factory and Mr. Barnes recalls calibrating standard resistances for use in Mr. Edison's laboratory.

(*Continued on page 15*)

Vacation Time is Safety Time

Movie Shows Continue—"Tom Sawyer" Tomorrow Night

THE G-E Club entertainments for the season have been concentrated finally in the form of motion picture shows as the advent of warm weather is not favorable for good crowds and good times at such indoor entertainments as dancing and cards. The talking-movies during May were as well attended as those during the winter months and it is planned to continue with shows on Monday and Wednesday noons and double shows on alternate Saturday nights as long as the attendance keeps up. G-E employees undoubtedly appreciate the opportunity of bringing their families and friends to these wholesome G-E Club shows, and the audiences usually have been such as to fill the house to capacity at both the 7:00 and 9:00 o'clock performances.

For June 6 the scheduled production was Harold Lloyd in "Feet First," a picture which was sure to please.

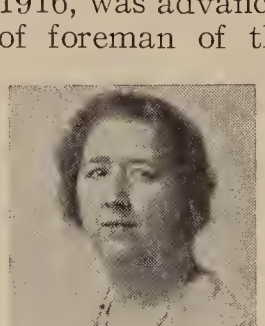
On tomorrow night, June 20, the film on schedule is "Tom Sawyer." Nearly everyone has read this story by Mark Twain and it should be a treat to both old and young to see this Paramount film version of Tom's and Huck's adventures. Shows will be given at both 7:00 and 9:00 p.m.

Seven Join Quarter Century Club

SAM SHIVES, employed in the Apparatus Machine Shop, Bldg. 19-3, qualified for membership in the Quarter Century Club on April 16. It was in the yard force that Mr. Shives first reported for work, but after a few weeks he was assigned to help out R. C. Chase in setting up large apparatus for test. After the death of Link Johnson, who was foreman of the yard force, Mr. Shives had charge of the men for just a short time and then was transferred to the Apparatus Machine Shop in Bldg. 8. From thence on Mr. Shives has worked in the Apparatus Machine Shop and all this time under the direction of Foreman Charles Brenner. For the past 23 years Mr. Shives has been a member of the Works Volunteer Fire Dept., serving for some years as captain of one of the hose companies. A son, Herbert Shives, is employed in the Works Suggestion Committee offices in Bldg. 16-3.

Ethel M. Allen, one of our girls who has completed 25 years service with the General Electric, began her service with the Company on April 30, 1906. She started in the Fractional Horsepower Motor Dept. under Foreman Charlie Hellman, doing various kinds of work during her first years with the Company. Later she was assigned to inspection work and has been so employed for the past 16 years. All of Miss Allen's service has been in the Fractional Horsepower Motor Division and she is now located in Bldg. 4-5.

Raymond J. Hoffman, who is now superintendent of Inspection and Test, worked in the Meter Dept. on prepayment meters during his school vacation in the summer of 1905, but his continuous service did not start until May 4, 1906, when he took a job in the wiring gang under Foreman Fred Duryee. In August, 1907, Mr. Hoffman was transferred to the old Arc Test and on April 1, 1909, to what was then known as the General Test. Two years later he was made assistant foreman of the General Test and on Aug. 6, 1916, was advanced to the position of foreman of the General Test.



Ethel M. Allen



Charles Backofen

In May, 1917, he was named general foreman in charge of all apparatus tests and since June, 1925, has been superintendent of Inspection and Tests. His work in recent years has given him occasion to visit all the other Apparatus Works of the Company and throughout the General Electric organization; accordingly, he is widely known. In all the years of his testing experience, he is proud to relate he never had a serious accident and never burned up a single testing instrument.

Charles Backofen, Special Machine Dept., Bldg. 26-5, started work on bench and assembly work in the Small Motor Dept. on May 14, 1906, but some three years later became a machinist apprentice serving his alloted time in learning the trade under Charles Brenner in the old Machine Shop then located in Bldg. 8. It is interesting to note that Mr. Backofen was one of the last apprentices trained here under the old system of learning a trade. After completing his apprenticeship and working for a time as a machinist under Mr. Brenner he was transferred to the Special Machine Dept. then in Bldg. 17. For a number of years however he has been located in Bldg. 26-5, working under the direction of Foreman E. J. Schafenacher.

Otto Kirby of Bldg. 4-4, who completed 25 years' continuous service on May 14, has worked as a punch press operator for nearly the whole of this time. On starting here, Mr. Kirby worked for only a few months in the yard force and from there was transferred to the Punch Press Dept. then in Bldg. 2. The Punch Press Dept., under F. J. Schwartzkopf later was moved to Bldg. 26 and Mr. Kirby worked there until Bldg. 4 was erected when he was transferred to Mr. Nahrwald's department in Bldg. 4-1, later going to Frank Korte's department, Bldg. 4-4, where he is now employed. Mr. Kirby remarks about the greatly reduced hazard in punch press operation since he first started in on such work and also mentions the remarkable utilization of material these days where formerly such great quantities of the sheet steel went from the punch presses directly into scrap.

William Volkenning's service with the General Electric dates from May 21, 1906, when he started in Bldg. 8. For about one and one-half years he worked on FS brush-holders under Foreman Tony Miller (deceased) and then assembled MPL generators for several years. For something like 20 years, however, he has been

(Continued on page VIII)



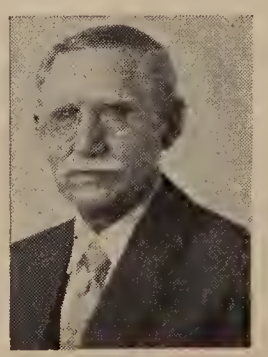
Otto Kirby



Martin Scheiman



Raymond J. Hoffman



William Volkenning



Sam Shives



J. H. Cline



Robert J. Arnett



J. A. Lamboley



Harold Federspiel



R. C. Hageman



Gilbert B. Harvey

Refrigeration Division Employee Receives $100 Award

Many Suggestion Awards Covered in This Report

THE largest suggestion award made during the past month went to J. H. Cline of the Refrigeration Division, Bldg. 27, who suggested a way to salvage valuable parts from refrigerating machine check valves which were rejected on test. In the construction of these check valves the heavy metal covers are brazed to the body of the valves. Because of this it had been the practice to scrap the whole valve assembly when one proved defective under test. Knowing that the valve body, a machined part and expensive to produce, was not likely to be at fault, Mr. Cline suggested that the metal covers be cut from these defective valves in such a way that the valve bodies could be utilized in the construction of other valves. This plan has proved so effective in saving valuable parts that Mr. Cline has received $100 award.

Elsworth Davis, an employee of the Winter Street Plant, made a suggestion in regard to the machining of the float chambers for refrigerating machines that brought him $40 in award. He suggested elimination of a finishing machine cut and use of certain auxiliary equipment in the machining operation which reduced the time necessary in the construction of the part.

Robert J. Arnett, of the Fractional Horsepower Motor Division, Bldg. 4-1, suggested that counters be used on certain winding machines to save operators' time in winding special stators and others previously wound by hand, and the suggestion brought him $40 in award.

R. C. Hageman, Bldg. 19-3, received $25 award on a suggestion relative to changes in the method of ordering commutator copper used in the Apparatus Division.

Harold Federspiel, of Winter Street Plant, suggested that metallic bellows tubes which we purchase be tinned by the supplier and $25 was the award.

Gilbert B. Harvey, of Winter Street, suggested improved tooling



Wehler W. Porsch



Elsworth Davis

for boring mill operation in dismantling section of Winter Street Plant and received $25 in award.

Wehler W. Porsch, of Winter Street, suggested a change to the guide pins for float valves, on which he was given $25 in award.

J. A. Lamboley, Bldg. 2-3, suggested box top clippings be used as back plates in motor construction at Decatur Plant and $25 was awarded Mr. Lamboley on this suggestion.

Other suggestions and awards are as follows:

Wayne E. Somers, Bldg. 4-3, $10. Providing machine for winding springs in Fract. Hp. Motor Division.

Merle Morkoetter, Bldg. 26-B, $10. Improved method of punching holes for transformer nameplates.

Bonnie Carnes, Bldg. 4-2, $7.50. Improved method of wrapping leads on machine-wound stators in Bldg. 4-2.

Frank McClure, Bldg. 4-2, $20. Utilization of certain punching centers from Fract Hp. Motor drawing 3535704.

John Forrest Davis, Winter St., $10. Marking weights on certain tote boxes used in the Refrigeration Division.

Paul F. Noffze, Bldg. 26-B, $15. Changes to die 3506975 used in the Transformer Division.

F. W. Mennewisch, Bldg. 22, $10. Use of pilot pins of the same diameter for various punches used in the Transformer Division.

J. A. Lamboley, Bldg. 2-3, $7.50. Utilizing certain steel from the Refrigeration Division for rolled shell stator cases in the Fract. Hp. Motor Division.

Marion Gilgen, Bldg. 20-1, $7.50. Changes to shank on continuous enamel furnace eyebolts, drawing K-3540184.

George Skinnell, Bldg. 26-5, $10. Improvement to broaches used on rotor die 3535812 in Tool Division.

Earl Leland Hart, Winter Street, $10. Changes to liquid line assembly used on DP-30 and 35 refrigerating machines.

Roy E. Woods, Bldg. 26-3, $10. Installation of oven at tubing machine in Bldg. 26-3.

William F. Emkow, Winter Street, $10. Improvement to metal glass leads used in the Refrigeration Division.

Aubrey J. Lash, Winter Street, $10. Providing fixture to remove the float valves from dismantled box tops in Refrigeration Division.

Gordon L. Smith, Winter Street, $12.50. Changes in the method of handling certain cutting oils for the Winter Street Plant.

Howard Reese, Winter Street, $7.50. Providing special spot facer for DR-3 bases.

Walter J. Brake, Bldg. 18-5, $10. Changes pertaining to pattern numbers on drawings, in Fract. Hp. Motor Division.

Ralph Solt, Bldg. 17-2, $20. Improvement to winding arbors for DR-3 stators in the Fract. Hp. Motor Division.

Thomas Virgil Dunifon, Bldg. 27, $20. Improvements at stock room in Bldg. 27.

Ralph Smith, Bldg. 19-2, $10. Installation of valve, air hoist, Bldg. 19-2.

Besides the above, $5 awards were made to the following:

Bldg. 2. Gladys M. Swift, W. E. Beer, James M. Cushing.

Bldg. 4. James D. Oakley, J. E. Stoller, Virgil J. Hammons, Elmer Lamley, Frank McClure (3), Harry F. McKee, Arthur Daun, Homer Platt, Freeda Mee, Frances M. Rondot, John E. Ormiston, George K. Morton, John Bitner, Thetus Jesse Johnson, Garland Roby, Lemon E. Clouse, Louis J. Hinen, Lawrence L. Bergevin.

Bldg. 6. Fred W. Deal.

Bldg. 11. Hiram H. Todd.

Bldg. 12. M. R. Nussel.

Bldg. 17. Harold D. Janes, W. C. Mills, E. Etzler, Bernard Merkler, C. H. Francies, W. L. Hofstetter, William C. Schultz, Helen · Guth, Herbert G. Wise.

Bldg. 18. Philip Singleton, Fred Hambrock.

Bldg. 19. A. H. Brandenberger, William McClish (3), S. F. Alspaugh (2), John Hoelle, Oliver Tracey, William Sivits, Dorris D. Proxmire, Collette Furge, G. McDonald and A. D. Spenney (2), L. Sommer, G. E. Plaisted, James Scarbrough, Ruth M. Baker, Ora V. Martin, William C. Schlie, C. Buell, H. Henline, Edmund L. Auth.

Bldg. 20. Hersel Nash, Fred A. Burkett, Charles E. Scott, Arnold Wuebbenhorst, Art J. Fryklind, Margaret Suelzer, Carl G. Hofacker.

Bldg. 26. Albert E. Miller, O. D. Coleman, A. Lueseenhop, William H. Schwalm, Erma E. Johns (2), Howard Shipman, Clair A. Wiebke, Ernest M. Hanauer, Maude Kaufman, LeRoy Paulson, Darold H. Emrick, Floyd Chilcote, E. J. Green, J. F. Payton, Harold Buck, Luke Martin, R. C. Duryee, Joyous Chaney, Orville Ellenwood, Melvin Payne, Paul F. Noffze, Paul Martin.

Bldg. 27. Robert Hosler, Sylbert D. Holmes, Orville E. Smith, Waldo M. Whaley.

Winter Street. Louise Ehrhardt, Victor Ehrhardt, Russel D. Burkholder, Peter Joseph Alt and Jasper L. Smith, Margaret Peppler, Lydia Jacobs (2), Perry Johnson, Homer V. Shoemaker, H. J. Federspiel, Earl L. Hart, Claude Wise, Ezra W. Stoller, Forrest M. Voorhees, Robert Lasch, Joe H. Dec, John Bechtol, Robert Gass, William C. Kempf, C. L. Wysong, Edward Henry Schmitt, Charles C. Niblick, Lorenz M. Bernhardt (2), Eldridge Gillum, Leroy S. Brown, Matt Krebs, Perry E. Wright.

Seven Join Q. C. Club

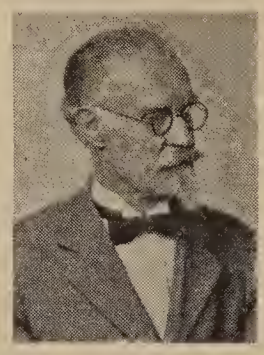
(*Continued from page VI*)

working on pressure and vacuum switches and is now engaged on the assembly of the latest designs of these devices in Bldg. 19-4.

Martin Scheiman, who completed 25 years' service here on May 28, started as a helper in the old foundry when it was located on the east side of Broadway. In a short time Mr. Scheiman became a furnace tender in the foundry and continued on this work, first in Bldg. 20 at Broadway Plant, thence to Winter Street Plant, until our brass foundry was discontinued a few years ago. Since then he has been working in the Refrigerating Machine Dept. at Winter Street, at present being employed on what is known as the boxing job.



F. B. Owen



G. E. Hoglund

F. B. Owen and G. E. Hoglund Receive Pensions

ON MAY 1, F. B. Owen of the Meter Engineering Dept. and G. E. Hoglund, Meter Developmental Dept., retired from active service, each of them having been closely identified with products of the Meter Division during the many years of their service with our Company here at Fort Wayne.

Mr. Owen's first connection with our meter products was as what we would now term a meter specialist. On his graduation from M.I.T. in 1896 he had been employed by the Narragansett Electric Light Co. at Providence, Rhode Island, and there secured first-hand experience with meter problems from the operating company's standpoint. When he came into the employ of the Fort Wayne Electric in February, 1903, he accordingly was sent out into the field to clear up difficulties our customers might be having in installing and operating meters then made by our Fort Wayne Works. After some time on this travelling assignment he was called to the main office here to take charge of general business with our meter customers and remained on this work until the sales offices and commercial departments of the Fort Wayne Electric were merged with those of the General Electric. At such time Mr. Owen was placed in charge of our Standardizing Dept. and some time later was transferred to the Meter Engineering Dept., where in recent years he has given attention to manufacturing problems. Mr. Owen's continuous service with the General Electric amounts to a little over 28 years.

Mr. Hoglund began his services at the General Electric on Jan. 6, 1914, just after Chester I. Hall had joined the General Electric and started work on developing the various lines of demand meters which then were new products to us here at Fort Wayne. Mr. Hoglund previously had patented a number of ingenious inventions and Mr. Hall, knowing of this and his skill in mechanical design, arranged for him to come to Fort Wayne to assist with the mechanical construction of the devices Mr. Hall was designing for G. E. From then until Mr. Hall left our organization in 1928, Mr. Hoglund worked with him and his associated engineers in constructing operating models of the various new devices developed during this period. Since that time Mr. Hoglund has worked with the engineers in the Meter Dept. in a similar way. Accordingly he has had an intimate part in the development of such well-known products as the Type PD and other demand meters, the induction disc and synchronous phonograph motors, the thermal protective relays, the time switches, traffic timers, etc. Although Mr. Hoglund is now past the limiting retirement age he is in excellent health and like unto Mr. Edison, retains a virile interest in all new developments along mechanical, electrical and scientific lines.

The Success Family

THE Father of Success is *Work*. The Mother is *Ambition*. The oldest son is *Common Sense*. Some of the other sons are *Perseverance*, *Honesty*, *Enthusiasm* and *Co-operation*. The oldest daughter is *Character*. Some of her sisters are *Cheerfulness*, *Loyalty*, *Courtesy* and *Harmony*.

The baby is *Opportunity*.

Get acquainted with the Old Man and you will be able to get along rather well with the rest of the family.

R. F. Harding Retires—Noah S. Tilman Succeeds Him

ON JUNE 1, Robert F. Harding, supervisor of the Order and Stores Dept. here at Fort Wayne Works, retired from active service under the provisions of our Company's pension system and was succeeded by Noah S. Tilman, who for some time past has been acting as Mr. Harding's assistant.

Mr. Harding's retirement on June 1 brought to a close a period of 43 years of continuous service. It was on May 17, 1888, that Mr. Harding's service with General Electric started, when he took a position as clerk to Robb Mackie, who then was superintendent of the plant here on Broadway then known as the Fort Wayne (Jenney) Electric Light Company. Among Mr. Harding's first duties was that of taking dictation and writing letters and memoranda, for the superintendent, in longhand. Not long thereafter, Mr. Harding says, a young woman stenographer was secured to take over this part of his work and it is interesting to note that this stenographer furnished her own typewriter.

The superintendent's office, when Mr. Harding started here, was located in a corner on the second floor of a building which occupied the site of the west end of Bldg. 4 and what remains of our old Bldg. 2. The main office then was a single-story frame building which stood in the corner between Broadway and the Pennsylvania tracks. The building in which Mr. Harding was first employed was among those destroyed by fire in the fall of 1888. As most of the buildings of the original plant were destroyed in the fire which the company suffered in 1888, manufacturing operations were transferred temporarily to the Kerr-Murray plant, corner of Murray and Calhoun and temporary offices were established in what is now the Weber Hotel.

Soon after manufacturing was established in the re-constructed plant here on Broadway in 1889, Superintendent Mackie left the organization and Mr. Harding was transferred to the main office, a new two-story brick building which stood in the location of the northeast end of Bldg. 17. His new position in the main office was that of shipping order clerk and one of his duties was to price all outgoing



Robert F. Harding



Noah S. Tilman

shipments. The next advancement placed Mr. Harding in charge of the Credit Dept., the Company having been reorganized in the meantime under the name Fort Wayne Electric Corporation.

In 1899 when General Electric secured control of the local works and changed the name to Fort Wayne Electric Works Incorporated, F. S. Hunting became general manager and he named Mr. Harding as head of the Purchasing Dept. With later changes in our local organization Mr. Harding's responsibilities were further extended and he became supervisor of our Order and Stores Dept., the position from which he retired.

Mr. Tilman, who succeeds Mr. Harding, was born in North Manchester, Ind., and joined the General Electric organization here in the summer of 1916, his first position being in connection with cost accounting and payroll work. In September, 1917, he left here to enter military service and soon after his enlistment was transferred to Camp Shelby, Miss., where he served as chief clerk in the finance office of Quartermasters detachment. On his return to General Electric in March, 1919, after being mustered out of government service, he worked for a time in the Accounting Dept., but soon was transferred to the Order and Stores Dept. to follow castings and general foundry activities. On Jan. 1, 1930, Mr. Tilman was named Chief Clerk in the Order and Stores Dept. and in May following was appointed acting supervisor of the Order and Stores Dept. during the leave of absence which Mr. Harding was granted on account of ill health. Since Mr Harding's return Mr. Tilman has acted as his assistant and he, therefore, is familiar with the responsibilities which his advancement entails.

25,000 persons lost their lives last year as a result of accidents. It pays to be careful!

Several Local Men Fly to Air Show

TWO groups of Fort Wayne Works employees visited the National Air Craft Show at Detroit in April taking the trip in the Stinson-Detroiter Sr., a six-passenger cabin plane owned by the Wayne Flying Service and piloted by Harrold Preston, local transport pilot. The first G-E group to take the trip consisted of H. M. Stephenson and L. F. Hemphill. of Fractional Horsepower Motor Engineering; A. J. McConnell and V. Verrall, of Meter Engineering, and Gordon Bartel, of Meter Standardizing Laboratory. In the second party were: Roy Beal, Leonard Roebel and J. J. Clarkson, of Fractional Horsepower Motor Engineering, and A. C. Urffer, of Fractional Horsepower Motor Sales. The average flying time between here and Detroit was only a little over an hour and 30 minutes, the greater part of the distance being covered at an altitude of about 1200 feet. On crossing Detroit the pilot arose to 3000 feet to clear the smoke of the city and give safe flying conditions. Both parties landed at the Ford airport and inspected the airplane factory there, later going on by air to the Municipal airport where the aircraft show was in progress. Members of the groups say that the air ride to and from Detroit was a wonderful experience and the things they saw both at the airplane plant and the air show made the trip well worth the time and expense.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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The Thinker

WHEN the average law abiding citizen sees or thinks of a jail or penitentiary he seldom if ever pictures himself on the inside looking out, except perhaps, as a curious visitor. Jails, he thinks, are made for robbers, bandits, bootleggers, murderers, brawlers, and others who boldly transgress the law.

Let us think for a moment and see how many times we have just missed, by a hair, serving a long stretch. Perhaps it is luck or by the grace of God only and not our fault at all, that we are not in jail today. Did you ever violate a traffic law, such as:

Driving or parking without proper lights,
Exceeding speed limits,
Making a turn or a stop without signaling,
Running a red light or stop sign,
Failing to dim your headlights, etc.?

If you did and there was no resulting accident or if a cop didn't see you and give you a ticket, the incident was soon forgotten. But, if your carelessness had caused a serious injury or death, you would not have forgotten it so quickly; in fact, you might have been given from two to 20 years in which to think about it and suffer the pangs of remorse. Traffic regulations are made to control actions which might result in property damage, personal injury or death, and to be truly law abiding requires a careful observance of these general and special rules of the road.

Fractional Hp. Motor Offices Now Centralized

A MOVE which affected a goodly number of the office employees at the Broadway Plant was that in which the Fractional Horsepower Motor Engineering, Drafting, Manufacturing, Production and Cost Depts. together with the Fractional Horsepower Motor Sales were centralized in new offices provided on the top floor of Bldg. 4. When plans were made for enlarging Bldg. 4 the desirability of having a central location for the division's offices was taken into account and a sixth floor for offices only with high-speed automatic passenger elevator service was arranged. The erection of the glass and metal partitions which divide this extensive floor area into separate offices for the various departments was completed during the past month and the offices of the division superintendent, the Manufacturing Standards, Production, and Cost Depts. were moved from their temporary locations in Bldg. 2-3 to the new quarters on May 14, the Engineering, Drafting and Sales Depts. being transferred from the Main Office Bldg. during the following week.

This top floor location for these offices gives excellent natural lighting, there being the usual windows for all the outside offices while north windows in the saw-tooth roof amplifies the lighting in the central portions of the floor. Tilting windows in the saw-tooth sections make possible admirable ventilation of the whole floor and it is expected that these quarters will be quite as comfortably cool in summer as would be possible on any of the other floors. Nicely appointed private offices for the various department heads and sound-protected conference rooms are features in the arrangements. The placing of coat racks and time clocks in alcoves off the main hall gives a very pleasing and handy arrangement, and the G-E pressure water cooler for the drinking water supply all contribute in making these new Fractional Horsepower Motor offices the finest in the Fort Wayne Works.



C. H. Matson Appointed General Superintendent

CLIFFORD H. MATSON has been named, by Works Manager W. S. Goll, to succeed Mr. Barnes as General Superintendent of our Fort Wayne Works on Mr. Barnes' retirement from active service June 13.



C. H. Matson

Mr. Matson was born in Fort Wayne and educated in the public schools here. He became connected with the General Electric Co. in January, 1909, as a mechanical draftsman in the General Superintendent's office. He later was made head of the Factory Engineering Dept. and in such position had full charge of all engineering work in plant developments.

In 1919 he was made Superintendent of Buildings and Maintenance of the local Works and in 1925 was advanced to the position of assistant to the General Superintendent.

Mr. Matson has been an active force in the local General Electric organization for many years and his advancement comes as a distinct recognition of his ability.

Regularization of Employment One of the Great Problems of Industry

President Gerard Swope Points Out Its Importance in an Address Before the International Chamber of Commerce

Approximately 1000 outstanding business leaders, representing 35 countries, met in Washington at the Sixth Biennial Congress of the International Chamber of Commerce, May 4 to 9, to consider the condition of industry and trade throughout the world. The president of the organization is George Theunis, former premier of Belgium, and the sessions were matters of interest to all nations.

Among those who addressed the Congress was President Gerard Swope of our Company, who spoke on the regularization of employment. His address, printed in full, follows.

THIS is so large and varied a subject that in the brief time at our disposal only a short review of some of the fundamental principles may be considered. It is especially a problem that has to be worked out in each trade or industry, and solutions varying in the different industries are to be expected.

The general underlying principles may be regarded from three points of view: first, the point of view of the company, trade or industry; second, that of society or the community as a whole; and third, the point of view of the employee, the particular human being involved.

From the Point of View of the Company, Trade or Industry

Before any company erects a building, it plans the type and size for the estimated output of the product to be made and, naturally, that the investment may be most economical in order to give satisfactory returns. This is also true of the initial and subsequent studies of the character of the standard and special machinery to be used, planning production so that the machines may be in use to the most economical extent, that the output may be secured with the lowest investment, so that the cost of production may be as low as is consistent with the character of the material to be produced. It must be remembered that the price at which the article must be sold in the end will always be a reflection of its cost of production.

Similarly, a study is made in regard to the standardization of material, so as to avoid too great an investment, risk of obsolescence, and to bring about the least waste in its use.

These are important considerations and the correct solutions are directly reflected in the cost of production and are dealt with quite objectively.

Employees, because they are sentient beings and the same character of beings that constitute management, and possibly because of the theory of equal opportunity and that the employee of today may become the employer of tomorrow, have not been so considered. This practice dates far back to the days of political economy and laws based on the theory of freedom of contract, etc., and it is only comparatively recently that management has recognized the responsibility of considering, in addition to the fundamental of an adequate wage, hours of labor and conditions of work, that there are other considerations also, such as continuity and regularization of employment. The desirability of continuity of employment was recognized by the employer some years ago by the introduction of pension plans for the retirement of superannuated employees, life insurance, etc. The basis for the introduction of such plans has been to reduce labor turnover and in that way reduce costs.

It is only recently that industry has begun to consider other aspects of this problem. Never before in economic crises has there been such an aroused consciousness, not only of the community but also industry, in the recognition of this responsibility, which makes one hopeful that as a result of all this thought and experiment, better methods of study, analysis and approach, and finally, the solution, of this serious problem will be found.

From the Point of View of Society

It is to be expected that each trade and industry should carry its burden of cost of production of the various articles that society needs, including the element of cost that industrial hazards to life or health contribute, and in turn this cost shall be defrayed by the users of such articles. If seasonal variation in employment is inherent in the character of production, this factor shall also be included in the cost and be borne by the users of such articles. Each industry will then defray the total cost of such articles, including provision for the use of instrumentalities of production, whether they be buildings, machinery, material or the regular and adequate compensation for labor, so that society shall not later be called upon to bear a vicarious portion of this cost through taxation or charity. The distribution of the sums raised by taxation or charity can never be effectively made and is at best a makeshift, a method as

bad for the community as it is often harmful to and not desired by the recipient.

From the Point of View of the Employee

So much has been written and spoken that it is fully recognized what a tragic thing irregularity of employment is, whether seasonal or cyclical. How demoralizing it is for a man who is willing to work, because of the breakdown of our social and economic machinery, not to be able to secure such work. A human being laid off for lack of work, after the harrowing experience of endeavoring to find work, is never again as self-respecting and self-reliant as he was before—he has lost something that can never be replaced. The demoralization of idleness and irregularity of employment is not only demoralizing to the individual himself but to his family and reacts upon society. An employee, with the constant fear hanging over him, of being laid off and unable to provide the necessities of life for his family and himself, approaches his work with a mind that is not free from worry; he approaches it as a task to be accomplished with the largest amount of compensation to be immediately secured. He cannot enter upon his work with the same interest and enthusiasm or give as much of himself, or find from his work the satisfaction that will produce the best results for himself and the industry.

From the experience of the increased investment due to the introduction of protection to workingmen against accidents, better methods of production and improved machinery, it has again and again been found that notwithstanding such expenditures and increased compensation to the man himself, the unit cost of production has been steadily lowered. It is confidently believed that if the fear of lack of work were removed from the mind of the workingman, he would approach his work with an entirely different attitude, his intelligence would be aroused, his interest stimulated, he would have enthusiasm and secure satisfaction from the work to be done. As a result, the quality of workmanship would be better; he would feel free to suggest better methods, which would lower costs and be reflected eventually in lower selling prices to the public and assure a wider sphere of use for the article itself.

The problem of regularization is very broad. It varies from possibly the most difficult, the building and engineering trades, where each job is a problem in itself, where mass production and standardization enters but little. The other extreme is standardized production, where in some cases these are articles on which there is no deterioration of the product, no rapid style changes or obsolescence; where because of these factors seasonal variation in employment may be eliminated and where regularization of employment from year to year may be, and in some instances has been, begun. This of course, places a great burden on management in planning.

Industry, possibly, has been slow to recognize its responsibilities in the direction of regularization of work, but now it is beginning to do so. The first problem, of course, is to avoid seasonal and occasional variations of employment; secondly, to ameliorate the hardships of unemployment when they arise in the industries where these measures are seemingly impossible, at all events today. If industry is to assume this as its responsibility, since the employees are intelligent and they are direcctly involved, they, as a part of the industry—and as a matter of fact to get the best results—should share this burden. In industry it makes for a better considered and wiser solution of the problem if it is found and supported not only by management but by the critical analysis and acceptance of the employees. The more completely regularization of employment is effected, the less necessary is it for either unemployment insurance on the part of industry, or charitable and relief measures on the part of the community.

This problem of regularization of employment must be studied for each trade or industry and, in fact, in every company with its different methods of management and operation. The recognition that the problem exists and that it must be solved, either in part or in whole, is the beginning of the solution. The insistence on a solution must be continued by an aroused public opinion, letting the responsibility for the character and scope of the plans rest on industry, that better methods of operation may be found in the interest of society, and most of all in the interest of those who give their lives and their service to the work.

Creator of "Jiggs" Visits G.E.

GEORGE McMANUS, famous cartoonist and creator of "Bringing Up Father," joined the list of celebrities who have utilized WGY's short-wave stations when he spoke to Melbourne, Australia, on April 28. This Australian broadcast was the first of that nature for the cartoonist, and he declared that it gave him a new thrill. He praised the station operators and the apparatus that sent his voice halfway around the world.



Maybe You can Tell Where George McManus Got His Idea for "Jiggs"

Mr. McManus attended a dinner at the Mohawk Golf Club and later broadcast in a radio interview from the Albany studio of WGY. He also visited the Illuminating Engineering Laboratory as the guest of W. D'Arcy Ryan, and the Research Laboratory, while in Schenectady. He was particularly interested in the equipment being produced for lighting west coast cities, as his home is in Beverly Hills, California. He was accompanied by E. J. Gough, radio manager for the Hearst papers.

One G-E Director Makes Hay

BURTON G. TREMAINE, who has been a director of the General Electric Company since 1923, has always heeded the old adage about making hay while the sun shines. Figuratively he applied it to the Incandescent Lamp business way back in the gay nineties, and literally he applies it today on his ranch in Arizona, where the sun shines a great deal of the time, and where the raising of alfalfa is his particular delight. But, whether he raises lamp companies or crops, the Tremaine combination of energy and vision, invariably guarantees success.



Burton G. Tremaine

Consider the Incandescent Lamp Dept. of our Company, which today constitutes such a valuable and thriving part of our total business. This is a tribute to the effort and ability of B. G. Tremaine, who pioneered in the lighting field and has helped guide the destinies of the incandescent lamp since its infancy.

Long before the tungsten filament was developed, his company, the Fostoria Incandescent Lamp Company, manufactured a carbon lamp that was a wonder in its day. Nor was he content with progress in manufacture. He led progress in organization as well, and his original firm might be considered the germ of the National Electric Lamp Association which is the National Lamp Works of today.

The story of the beginning of this organization gives one of the events that is responsible for Mr. Tremaine's nickname, "Lucky B. G." As one of the owners of the Fostoria Lamp Company, Fostoria, Ohio, Mr. Tremaine was representing his company at a jobbers' meeting in Chicago. Here at one of the banquets, he sat next to F. S. Terry, then manager of the Sunbeam Lamp Company of that city.

Surely only luck could be responsible for bringing together the two men whose abilities and interests harmonized so perfectly. Certainly their business careers dovetailed so closely from this point in their lives, that it is almost impossible to mention the one without bringing in the other. And with what illuminating results!

The two at dinner fell to talking about business, and both agreed that for the common good, standardization of the product was needed. The subject of an association of the many independent companies then in existence throughout the country, was brought up, and then and there these two determined to combine their companies and their forces. The union of the Fostoria and the Sunbeam lamp companies formed the nucleus of the National Electric Lamp Association, and henceforward the common effort of the two managers was in behalf of this organization which united the scattered independents into one group for the benefit of all.

Mr. Tremaine became sales manager of this association, and at a later date, co-manager with Mr. Terry, of the National Quality Division. In this capacity he continued until 1922, when he became vice chairman of the Advisory Board of the National Lamp Works.

As the home office of this organization, they conceived and founded Nela Park in Cleveland, Ohio, which is today the headquarters of the Incandescent Lamp Dept. of our Company. This unique institution, which is known as the University of Light, is a monument to their business ideals and acumen. Situated picturesquely on a hill, nine miles from the heart of Cleveland's business center, its group of 11 stately buildings is maintained at no greater expense than a single office building of the usual type.

Business idealism founded on the belief that people work better and are happier under ideal working conditions, prompted the building of this institution, with its beautiful grounds and winding drives, but business acumen foresaw the appreciation of Cleveland's land values, which have made it a fortunate financial investment as well. Luck or vision, which is it?

Whichever it is, Mr. Tremaine has made it available for the organization and its individual members alike. Thrift he has encouraged, and has placed his services at the command of the members.

Full of energy, whatever the enterprise he entered, Mr. Tremaine has always "made hay." Wholeheartedly he has gone into things, and persistently he has carried them through. And because his enthusiasm is always tempered with good judgment, success has crowned his ventures whether he worked in a skating rink or a hayfield, whether he sold insurance or real estate.

As a very young real estate operator, he made a coveted sale of a house and lot, and his confreres congratulated him widely for his success and good luck. Success he undoubtedly had had. The house was sold. But Mr. Tremaine felt that the 31 calls he had made, might have been a factor contributing to the sale.

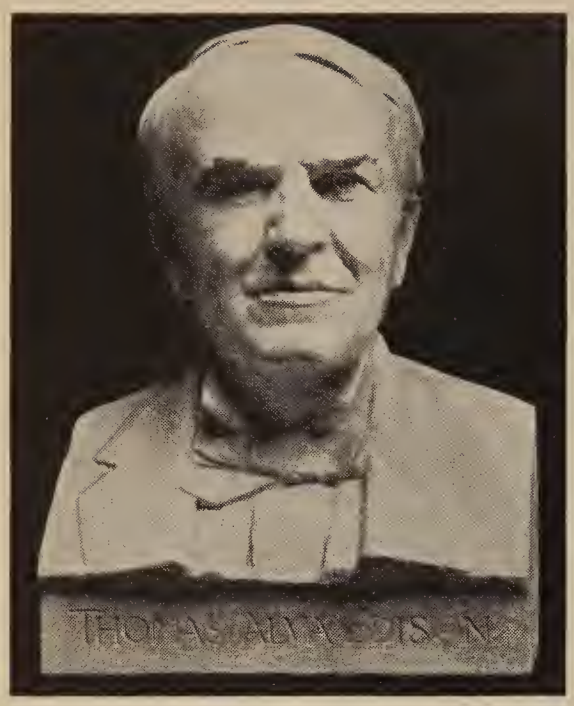
"Lucky B. G." is all right for a nickname, and "Lucky B. G." he will fondly remain to his friends, but judge yourself whether it is luck or labor that has crowned with success the ventures of this director of our company—whether he raises lamp companies or actual crops.

Safety Contest

THE Inter-Works Accident Reduction Contest at the end of April finds Philadelphia leading Meriden by .02 in Division 1. Bridgeport has been displaced in this division by Oakland and has fallen back into Division 2. The standings of the various plants follow, an asterisk denoting improvement over the previous month:

Division 1	Division 2
Philadelphia	*Bridgeport
Meriden	*Erie
*West Lynn	*Bloomfield
Fort Wayne	*River Works
*Oakland	ALL PLANTS
*Pittsfield	Schenectady

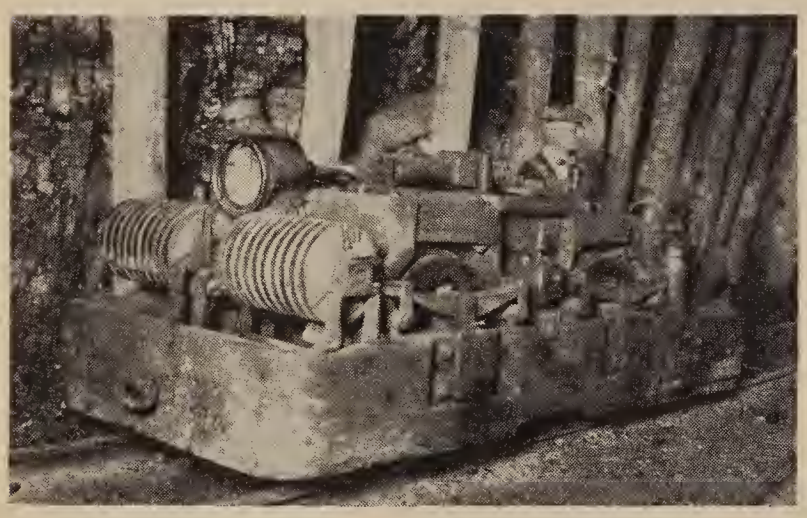
A Few G-E News Photos



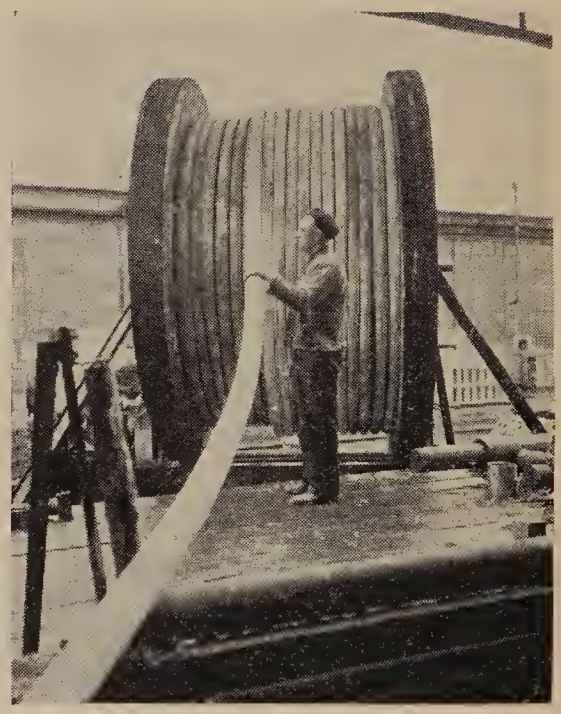
The marble bust of Thomas A. Edison which was recently unveiled in the Hall of Honor of the Deutsches Museum, Munich, Germany



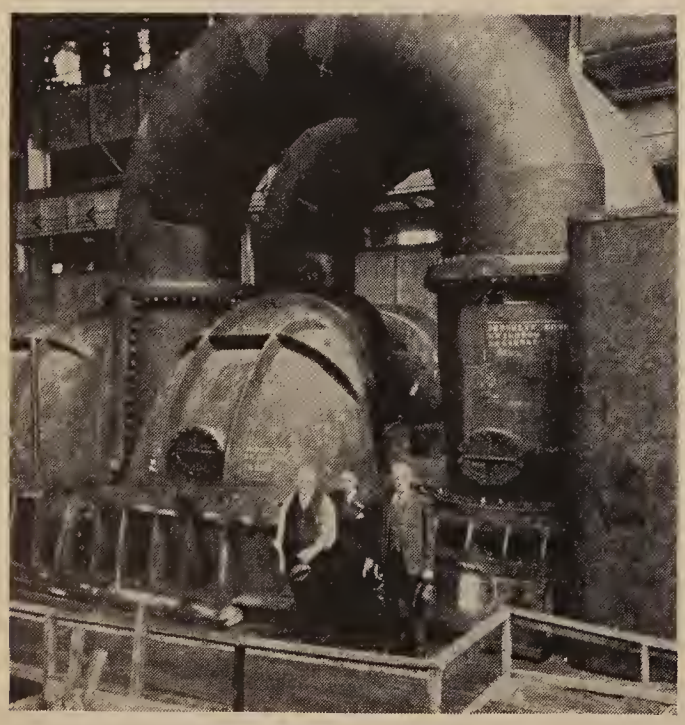
A milestone in the coal mining industry. This early electric mine locomotive, known as the "Charlie Smith," was built in 1892 by the old Thomson-Houston Electric Company, one of G-E's predecessors



Another photo showing the "Charlie Smith" as it appeared when in operation by the Union Pacific Coal Company



This reel of G-E submarine cable is one of six such reels which will connect the Brigantine and Beach Haven substations of the Atlantic City Electric Company



A giant G-E steam turbine for the Brooklyn Edison Company. Standing in front of the machine, left to right: Charles Palmer, general foreman of the turbine shop; Matthew S. Sloan, president of the Brooklyn Edison Company, and Oscar Junggren, G-E consulting engineer



This huge replica of a G-E commercial refrigerator was a striking feature during a recent carnival in Mendoza, Argentina

Around the World with General Electric

University City

After having been lost sight of for a period of 25 years, the world's largest searchlight, a G-E arc light equipped with an 85-inch projector, has been rediscovered. In 1904, it was purchased and mounted on the Octagon Building in University City, and from this position lighted up the surrounding country. After a time, its use was discontinued and its existence was forgotten by almost everyone. But the giant searchlight remained stored inside the dome of the building. A rumor was circulated to the effect that the light had been purchased by the Russian government during the Russo-Japanese war and had been demolished by fire from Japanese batteries at the siege of Port Arthur. But now it has been found and again it nightly plays its beams over the greater part of Missouri and part of Illinois. It has a special lens five feet in diameter and on a clear night the light is visible at a distance of 175 miles.

China

Four G-E Telechron clocks will soon be marking the passing of the hours in Hongkong. These four clocks, whose faces will be 10 feet in diameter, are to be installed in the tower of a new building. China, evidently, can be quite a windy country, for the order specifies that, including a proper factor of safety, the mechanism must stand up against a theoretical wind velocity of 120 miles per hour. Included with this installation will be an automatic resetting device.

Brazil

The deepest gold mine in the world is located in the state of Minas Geraes, Brazil. Already the mine has been sunk to a depth of 6600 feet. Recently, the company that operates this gold mine ordered two G-E mining locomotives which will be placed far down beneath the surface of the earth to haul the ore from tunnel headings to the elevator shaft.

Germany

In the Hall of Honor in the Deutsches Museum in Munich, Germany, are the busts of two famous men. They were Werner von Siemens and Thomas Alva Edison, the latter sculptured by Mrs. Evelyn Longman Batchelder and carrying the inscription: "The great inventor to whom the world is indebted for pioneering advances in the most varied fields of scientific and engineering endeavor." The American Institute of Electrical Engineers and the Edison Pioneers jointly sponsored the Edison bust, and the presentation speech was made by H. H. Barnes, Jr., G-E commercial vice president and chairman of the joint committee of sponsors. The response was given by Dr. Oscar von Millar, most instrumental in the creation of the museum.

Rock Springs, Wyoming

"Charlie Smith" is a real "old timer" with a record of 34 years of underground service in a mine operated by the Union Pacific Coal Company. "Charlie Smith," an electric mine locomotive and not a man, was built in 1892 by the old Thomson-Houston Electric Company, one of G-E's predecessors. It is called "Charlie Smith" because its original operator was a man by that name. Now, mounted on a pedestal, it serves as a monument outside the new community building of the "Old Timers" Association of the Union Pacific Coal Company, but in its active days, "Charlie Smith" hauled seven million ton miles of coal, not counting the weight of the cars or the return empty trips.

Atlantic City

Between the Brigantine and the Beach Haven substations of the Atlantic City Electric Company are bays and inlets and islands. To connect these two substations, six reels of G-E submarine cable will be laid under the water and connected with cable running overhead on the several small islands.

Argentina

The annual carnival in Argentina is a great event and during the three days that it lasts thousands of people throng the streets. In Mendoza, during the carnival, one of the striking features was a huge replica of a G-E commercial refrigerator, made of wood and canvas. Door panels were omitted, giving a view of the interior and on the inside were a number of pretty girls who personified various foods. Each of them wore an "on the top" head dress simulating the monitor unit and gave unusual life to the entire exhibit.

Cuba

It is of interest that Cuba, essentially a sugar producing country, and now suffering from the over supply of that commodity, is looking forward to economic relief by encouraging a diversification of products. A step in this direction is the introduction of the manufacture of cotton goods. A cotton mill has been established not far from Havana, and an order for 360 G-E motors to drive the looms has been received.

Canary Islands

From Las Palmas in the Canary Islands comes an order for a shipment of a variety of G-E household appliances. The Canary Islands are just a few dots on a map of the world and their total population is approximately 30,000 less than the city of Buffalo.

St. Joseph, Mo.

Just one year after the first night baseball game was played in the Western League by the Des Moines club, the St. Joseph team participated in its first game under the floodlights. Illumination was provided by 76 G-E floodlighting projectors mounted on 75-foot wooden towers. Transformers and switching equipment completing the installation are also of G-E manufacture. The large crowd attending the opening game evidenced great enthusiasm for the new sport.

Jules Verne's Dream of 1866 Outdone by Realities of Today

Sir Hubert Wilkins' "Nautilus" Makes Facts Stranger than Fiction

ONCE it used to be the glittering pinnacle of adventure to reach the North Pole. Finally, in 1909, stouthearted Peary got there by dog-sledge, after failing three times before, and since then the dominant impulse has been to see by how many different methods men could travel to the Arctic country—and the Pole.

Byrd flew to the Pole in 1926 by airplane, and a few days later Amundsen, Ellsworth, and Nobile passed over the famous spot in a dirigible. Now Sir Hubert Wilkins is about to "dive" for it in a submarine. If he succeeds, only one other route will remain—boring to it from the inside of the earth.

Unlike the bird-like men who have traveled over the earth's top by winging through the air, Wilkins will imitate the fish and travel for the most part beneath the surface of the water. His craft will also become that strange new creature, the submarine fly, for it will skim swiftly along on the under surface of the ice, the ceiling of the vast Arctic sea-bottom hall.

In all this, Wilkins will add his tribute of fulfillment to a great scientific fictionist of a past generation, the renowned Jules Verne, who forecast the modern submarine 65 years ago in his memorable tale of adventure, "Twenty Thousand Leagues Under the Sea." Wilkins' Arctic submarine bears the same name as Verne's fictional craft, the *Nautilus.* Its construction and equipment are more remarkable, even, than that of the vessel which Verne imagined—another illustration, were any needed, that "truth is stranger than fiction." As to whether or not his voyage will be any more exciting than those experienced by the story-book boat, the future only can reveal, but the chances are excellent.

Even here, however, Jules Verne's lively imagination pioneered on paper; for he sent his *Nautilus* cruising clear to the South Pole, traveling a long distance beneath the ice, and on its return he brought it through the perilous occurrence of a capsizing iceberg which trapped it for a time between walls of ice, under the water. It is scarcely conceivable that Wilkins' expedition will find itself in any more dangerous situation than that. On the other hand, it is reasonable to believe that he will be able to duplicate at the North Pole Captain Nemo's imaginary exploit at the South Pole.

Fact and fiction pay compliments to each other when the *Nautilus* of Jules Verne and that of Sir Hubert Wilkins are placed side by side for a balancing of comparisons. Verne was a discerning and prophetic writer. He conceived of electricity as the only possible means of propelling his extraordinary craft (as it was then considered) and relied upon it for also making life livable on board the *Nautilus.* It gave Captain Nemo at once independence and material comfort; and the author's tribute to this form of energy is suggested by the title of one of his chapters: "All by Electricity."

Verne was right in his conception, for electricity also drives the modern *Nautilus* and provides numerous material conveniences for its officers and crew. Yet Verne did not build so astutely upon his premises as to actually forecast the electric motor such as exists today. He did his best to imagine how the electric power could be made to drive the propeller, but of necessity he is indefinite in his details. "The electricity," he says, "works by electro-magnets of great size, on a system of levers and cog-wheels that transmit the movement to the axle of the screw."

In the story-book *Nautilus* electricity lighted and heated the boat, cooked the food, distilled and heated water for drinking, cooking and bathing, actuated several indicating instruments and operated an electric clock. Most of these functions are duplicated upon the *Nautilus* of today—even the electric clock—and fact outruns fiction in that Sir Hubert Wilkins will also have on board electric fans, electric sunlamps, electric dishwashers and clothes washers, and powerful electric lookout lamps, none of which did Verne's fertile imagination conjure into existence 65 years ago. Nor did Verne conceive of an electric refrigerator, such as Sir Hubert Wilkins has also obtained from the General Electric Company, although he is going to the Arctic Zone, usually thought of as a refrigerator by itself, and on a most extensive scale. But the interior of the twentieth-century *Nautilus* will be far from frigid. It will not be cold enough inside the boat to preserve food without artificial aid. Finally, the Wilkins craft will carry one type of equipment—its radio transmitter and receiver—which alone is more marvelous than anything Jules Verne dreamed of when he described the fitting up of Captain Nemo's boat.

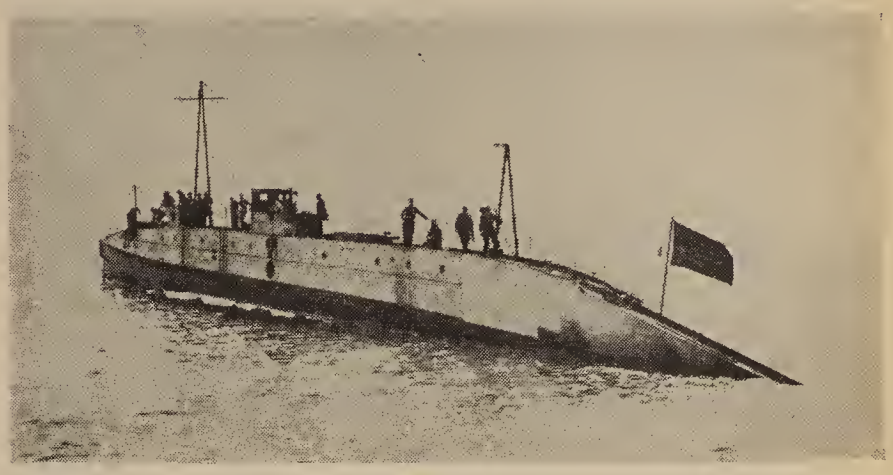
Furnishing the *Nautilus* of today with electric aids and conveniences was a task carried on under the direction of Commander Sloan Danenhower, master of the craft. The work recalled to the commander's mind another Arctic expedition of half a century ago in which his father, Lieutenant Danenhower, gave his life. In 1878 the steam vessel *Jeannette,* formerly the British gunboat *Pandora,* sailed north under Commander George W. DeLong to explore the Arctic for George Gorden Bennett, of the old New York *Herald.* This vessel carried pioneer electrical equipment—a little dynamo built expressly for the purpose by Thomas A. Edison at Menlo Park, N. J., where his laboratory and machine shop were then located. This was the first dynamo Edison had ever designed. It supplied fifteen incandescent lamps, which cast their illumination through little spools of platinum-iridium. The *Jeannette* was crushed in the ice off the Siberian coast and many of her men, including Commander DeLong and Lieutenant Danenhower, perished from starvation after reaching the coast in boats.

(Continued on page 9)

Some of the G-E Apparatus in the "Nautilus"



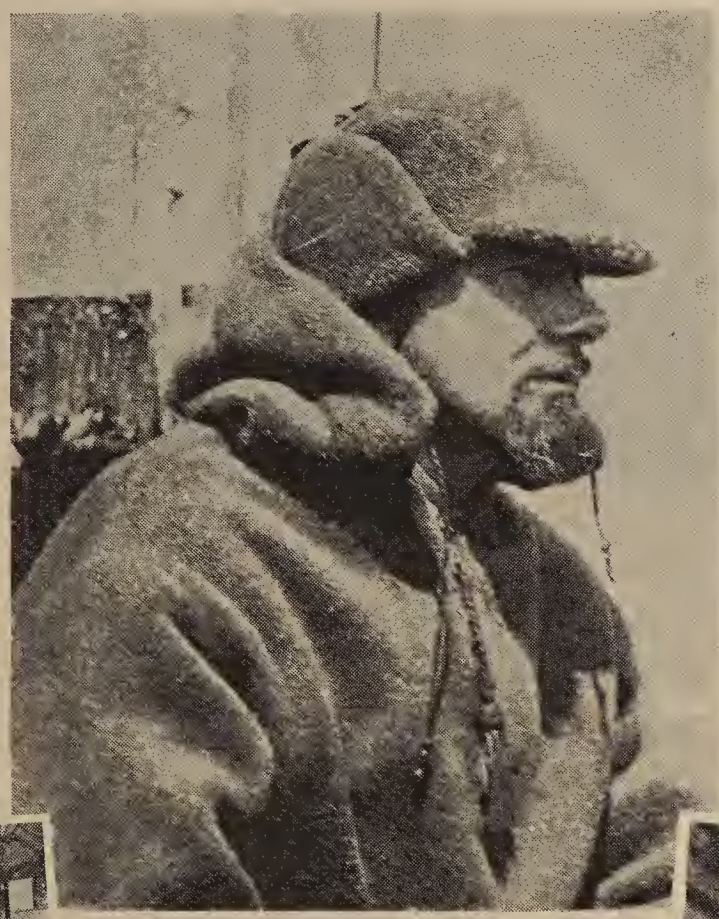
Washing dishes is an easy matter through the use of a G-E Walker dishwasher



The "Nautilus" in the Hudson River opposite the Pallsades



A new G-E Junior radio receiver will furnish entertainment

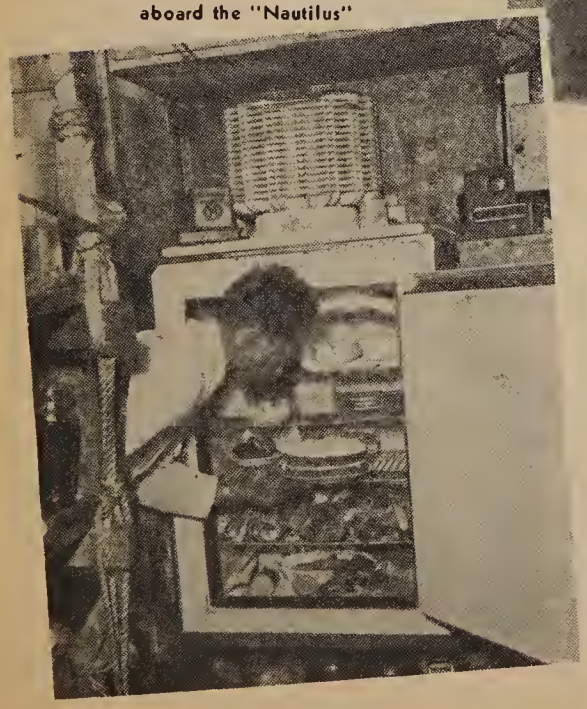


Sir Hubert Wilkins in his camel's hair polar clothing The entire crew of the "Nautilus" are equipped with these garments

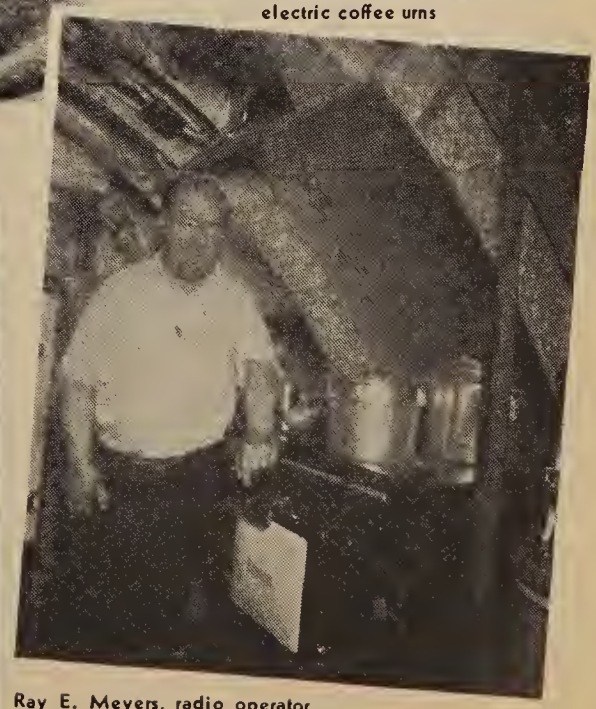


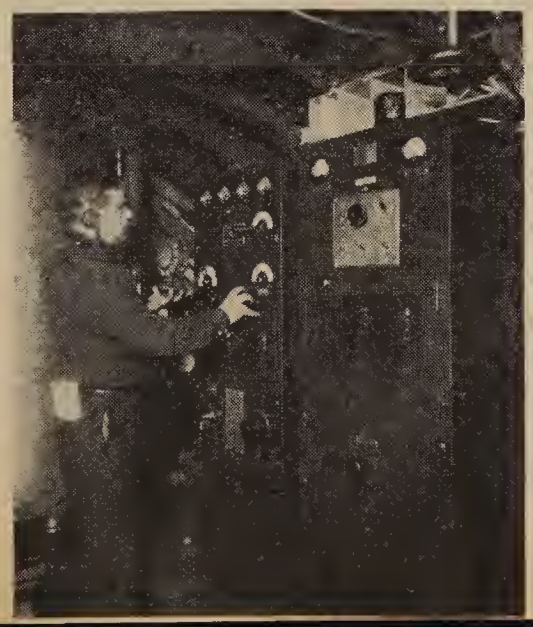
A new type G-E electric washer will attend to the laundry work

Jacob Flutsch, mess boy, explores the contents of the G-E refrigerator aboard the "Nautilus"



Harry Rothschild, cook, nas been supplied with a G-E Edison electric range and electric coffee urns





Ray E. Meyers, radio operator before the radio transmitter made by G-E. In prelIminary tests this set has been heard in San Francisco and Florida



In the upper left photo a welder is making a joint at the foundations. An interior view of the partly finished house showing metal framework and the lining of the walls, is shown in the upper right photo. Lower left photo: an outside view of the partly finished house showing the metal framework. Lower right photo: An interior view of the completed dwelling.

—And Now the Electrically Welded Dwelling

G-E Equipment Plays Big Part in Construction of Novel Structure

WHAT is probably the first completely welded brick and steel dwelling constructed by electric arc welding was recently built for and is now being occupied by C. E. Anthony of Larchmont Gardens, New York. It is a six-room two-story building, 32 feet by 26 feet, with full basement and a two-car basement garage, and is built on a foundation of stone and concrete.

The entire framework and all interior partitions were made up of standard size panel frames previously fabricated in the welding shop from 1½-inch angles. They were made up of two duplicate frames tied together with spacers to provide the regular wall thickness of four inches throughout the house. Two sizes were used, the wall sections in which there are no windows being 2 feet by 9 feet. The window sections are 6 feet by 9 feet, of sufficient size to accommodate any window normally used in a dwelling house.

In erecting the walls and partitions, a plate sill 6 inches wide by ¼ inch thick was laid directly on the foundation to take care of any roughness on the concrete, and fastened down by means of bolts grouted in the concrete. The fabricated panels were then welded to the sill. Adjoining panels were welded together at their edges to make a solid structure throughout. The second floor was erected in exactly the same manner and was welded to the top of the first floor sections. Electric current for all field welding was generated by a General Electric gasoline engine-driven arc welding set.

An 8-inch I-beam was used for the main floor bearing beam. All joists, on both the first and second floors, are of steel truss construction, 8 inches deep, and welded to the frame of the house at each end and to the bearing beam or partitions in the middle. This type of floor beam was used because it provides rigidity without excess material. Steeltex, a 2-inch wire mesh

spot welded at each juncture and interwoven into fire-resisting waterproof paper, is laid directly over the floor joists and covered with a 2-inch course of concrete to make up the floor.

The roof supports or rafters are 4-inch channels with 2-foot spacing and are welded directly into the outside wall framework of the building. The gable sections were fabricated in the shop, trucked to the building site, hoisted into place and welded to the framework proper. The roof covering consists of Steeltex placed directly over the rafters and covered with a 2-inch layer of Nailcret, a concrete asbestos composition of such characteristics that nails can be driven into it for laying shingles. A layer of slate shingles was used.

The outside of the house is finished off with a brick veneer inside which is placed a layer of Steeltex, to the top of the second floor level. The gables and dormer are finished with stucco. All windows are of the steel casement type welded into the framework of the building. All doors are of Kalman steel construction, set in steel bucks and frames welded into place.

The interior finish of the house consists of Steeltex over the framework, and hard plaster. In fastening the Steeltex in place, attachment bars consisting of small rolled steel channel with wire fasteners spot welded to it were used. The channels are securely tack welded to the steel framework and the Steeltex tied in place by means of the wires.

The floors are covered with Armstrong inlaid linoleum with a felt backing on both the first and second floors. The stairways are steel with ornamental iron railings, welded in place, and have Sutterlith treads—a composition of plaster of paris, cement and sawdust. All baseboards are also made of this material.

The General Electric wiring system was installed. Each room is equipped with ornamental iron lighting fixtures.

The interior and exterior appearance of the house are no different from that of any other similar house. The lower floor is laid out with a living room, dining room, kitchen and vestibule. The second floor has three bedrooms, a bathroom and ample closet space. In the basement, welded construction was also used in the installation of a welded oil burning furnace and a welded hot water heater.

Many advantages are claimed for the welded type of construction, among them being the following: rapidity and noiselessness of construction; use of standard panels; flexibility of design; fireproof construction, giving lower insurance rate; rigidity and solidity, eliminating vibration, low rate of depreciation and soundproof walls.

Jules Verne's Dream of 1866 Outdone by Realities of Today

(*Continued from page 6*)

Although the submarine has emerged from fiction into reality long before now, no vessel of this sort has ever yet attempted to parallel Captain Nemo's daring underwater trip to one of the polar extremities of the globe. To prove that modern navigators can translate into actual life the achievements of the fictionist's imaginary hero, Sir Hubert Wilkins has provided his submarine with appliances such as Captain Nemo did not possess.

The twentieth-century *Nautilus* will go a-skiing on her back, sliding along upon the under surface of the ice, instead of its upper surface, by means of a sled-deck and a guide wheel, pneumatically controlled, which will press against the ice at the end of a trolley arm. Through her slight negative buoyancy she will glide according to the contour of the ice ceiling, and will overcome any obstacle that she can get her bow under.

She will be fitted with two types of ice-boring apparatus. One of these will be able to drill upward through 13 feet of ice, making an opening more than 28 inches in diameter, through which a telescopic conning tower can be pushed up by hydraulic pistons at the rate of a foot a minute. This tower is a hollow hatch which will permit the men to climb up to the surface of the ice for a look around. It will be a thrilling experience for Polar animals to have the ice suddenly open up beneath them. Sir Hubert himself has remarked, "I can imagine the astonished stare of a basking seal atop the ice when he sees our round, red, hollow, tongue-like drill pop out of the ice."

If caught under very thick ice, with her electric batteries in need of recharging, the *Nautilus* will resort to other ice drilling tools and will bore two holes, eight inches in diameter, through ice a hundred feet thick, if necessary, permitting air to flow down through one, for the supply of the Diesel engines, while the other serves as a vent for the engine exhaust. Then one of the engines can run and recharge the battery—an eight-hour process—after which the craft can proceed submerged for another 125 miles.

The *Nautilus* will also carry a folding, or "jackknife" periscope, which will lie flat beside the sled-deck while the vessel is traveling under the water and ice, and can be erected upright for observation when open water is encountered. Should the *Nautilus* come into collision with some undetected obstacle, the shock will be absorbed by her collapsible bowsprit extending out beyond her bow. Thus the modern boat, even though not as large physically as the one conceived of by Verne, will be equipped with apparatus which Verne did not contrive in his mind. Of course there are submarines today fully as big as Verne's boat, but Sir Hubert Wilkins took his present craft because he was able to acquire it from the United States Navy.

So the adventurous enterprise will proceed. Once it was done in a stirring tale of scientific fiction; now it is to be attempted in real life—and this summer is to be the starting time. From Spitsbergen to Bering Strait, via the Pole in 42 days is the schedule laid down. The man-fish will follow in the water the route that the man-birds have already traveled through the air. And another of Jules Verne's seemingly fantastic dreams may soon come true as the new *Nautilus* swims under the Arctic sea, over the top of the world.

Vacation Time is also Safety Time

President Gerard Swope Announces Plan for Continuance Of Group Life Insurance During Lay-offs

IN AN endeavor to further protect employees who have been temporarily laid off for lack of work, Company officials have made arrangements with the Metropolitan Life Insurance Co. to reinstate for four months by payments of current monthly premiums the certificates which have been cancelled because of provisions in the certificates that limit the period during which they will remain in force following temporary lay-off due to lack of work. This extension also applies to all group insurance certificates calling for such a cancellation after certain periods of temporary lay-off. The certificates will now be continued as long as the premiums are paid.

President Swope's notice, dated June 10, reads as follows:

To The Employees

It has been found that many employees have permitted their Group Life Insurance to lapse when temporarily laid off for lack of work. In a few cases certificates of Additional Group Life Insurance have had to be cancelled because the provisions of the certificate limit the period during which such certificates can be kept in effect following temporary lay-off because of lack of work.

Arrangements have been made with the Metropolitan Life Insurance Company to reinstate for a period of four months all Additional Group Insurance certificates so cancelled within the last eight months. Such reinstatement will become effective July, 1, 1931, provided your premium for that month is paid on or before the tenth of July and payments are continued monthly thereafter. The Free Group Insurance will also be reinstated and continued in force in all cases where the Additional Insurance has been reinstated and is maintained by payment of premiums.

The provisions of all certificates of Group Insurance calling for termination after certain periods because of temporary lay-off for lack of work are hereby extended so as to add four months to the period of such lay-off which shall elapse before termination.

If present conditions continue to exist at the termination of this four months' period, consideration will be given to a further extension of the period during which the insurance certificates may be kept in force.

GERARD SWOPE, *President.*

Some Comparison Between 1930 and 1921

By C. M. RIPLEY

"It is easy enough to be pleasant,
When life flows along like a song,
But the man worthwhile is the man who will smile
When everything goes dead wrong."

SO WROTE Ella Wheeler Wilcox 30 years ago. It's easy enough for everybody to be pleasant when times are booming. It's easy enough to be generous and popular when times are good.

But when the business sky gets overcast, when the sunshine turns to rain and the thunder rumbles and the lightning flashes in the business world, then industrial companies like ours must weather the storm as best they can.

You may remember that the textile and other industries were badly hit in 1920, but that the General Electric Company did not feel the force of the depression until 1921.

I heard Mr. G. E. Emmons in 1921 give a speech to a large audience. He said, "Looking back on all the panics and depressions in my long experience in business—the electrical industry is one of the last to be affected in a depression and one of the first to recover; and the General Electric Company is one of the last in the electrical industry to be affected and one of the first to recover."

Now let's take stock. Let's look into the condition of our Company now.

Just how bad was 1930 compared with 1921?

The payroll in 1930 was $140,905,000, and in 1921 it was $87,150,000. So last year $53,755,000 more went into G-E pay envelopes than in the preceding depression. Average number of employees in 1921 was 64,657. Average number of employees in 1930 was 78,380. In other words, the G-E payroll last year was 62 per cent larger than in 1921, although the average number of employees last year was 21 per cent greater than in 1921.

In the meantime, let's also see what's happened to the selling price of General Electric products.

An ordinary 60-watt lamp in 1921 sold for 45 cents, now it is 20 cents.

Washing machines cost from $135 to $200 in 1921, now the G-E sells a better washer for $119.75; and for $174.25 the G-E now sells a combined washer and ironer!

A ¼-hp. G-E motor in 1921 sold for $25.00, now they can be bought for $10.40.

In 1921 radios were in only a few homes, and they were chiefly crystal sets. If you include the cost of batteries, it is highly probable that an all-electric set now can be bought for the price of an old-time set, plus the batteries and a pair of earphones—(the loudspeaker was practically unknown at that time.)

Prices of many other products have also been going down.

Electricity costs less than in 1921.

Ford Model T sedans cost approximately $1000 in 1921, and now a Model A costs around $600.

Look back and try to remember the picture 10 years ago. How many days were you working a week, if any, in 1921? Has your rent (for equal accommodation) gone up or been reduced since 1921? Do you have to pay as much for a suit of clothes now as you did then? Or for a pair of shoes; or for eggs, beefsteak, butter, etc.? Have you got more money saved?

The G-E Employees Securities Corporation was not in existence

in 1921. But let's see what employees have been doing with their bonds recently.

At Dec. 31, 1930, employees held, or had subscribed for $40,430,080 in G. E. Securities Corp. Bonds.

It is interesting to see how many of these bonds were cashed (see 1); how many subscriptions were cancelled (2); and how many bonds were bought at the Bond Office windows (see 3):

(1) Redemptions (employees asking money back)
In the first four months of 1929, $3,159,000.
In the first four months of 1930, $2,022,000.
In the first four months of 1931, $1,659,000.

(2) Cancelled Partial Payment Subscriptions.
In the first four months of 1929, $368,000.
In the first four months of 1930, $957,000.
In the first four months of 1931, $929,000.

(3) Cash Sales at Bond Office Windows.
In the first four months of 1929, $1,831,00.
In the first four months of 1930, $1,612,000.
In the first four months of 1931, $1,341,000.

These are all facts—some favorable and some not. It is not intended that any definite conclusion can or should be drawn from them. At least they are straws which show how hard the gale is blowing, and give some idea of its direction.



Safety in the Factory as Well as on the Ball Diamond Depends on Team Work

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of April, 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
1931							
12	Mar. 26	John H. Samuels	57	Wife	Yes	Wife	Yes
17	Mar. 29	Constante P. Motte	46	Daughter	Yes	Daughter	Yes
13	Mar. 30	Henry J. Lebert	41	Daughters	Yes	Daughters	Yes
13	Mar. 31	Ingham K. Truesdell	61	Wife	Yes	Wife	Yes
23	Apr. 3	Edward B. Plenge	44	Wife	Yes	Wife	Yes
19	Apr. 8	Earl A. Crippen	49	Wife	Yes	Wife	Yes
15	Apr. 17	Marinus L. Struys	49	Wife	Yes		
25	Apr. 20	Charles B. Rynex	61	Wife	Yes	Wife	Yes
River Works							
14	Apr. 10	Patrick Gallagher	65	Wife	Yes	Wife	Yes
West Lynn Works							
10	Jan. 21	Matilda Duquette	53	Niece	Yes	Niece	Yes
12	Mar. 21	Wm. J. Smith	62	Son	Yes	Son	Yes
6	Apr. 8	Olive E. Callahan	28	Husband	Yes	Husband	Yes
Pittsfield Works							
6	Apr. 21	Robert P. Peck	27	Mother	Yes	Mother	Yes
Erie Works							
1	Mar. 16	Norman J. Humphreys	50	Wife	Yes	Wife	Yes
3	Mar. 19	Emil G. Becker	32	Wife	Yes	Wife	Yes
13	Mar. 26	John Leary	44	Wife	Yes	Wife	Yes
7	Apr. 19	Anselm Kohl	63	Wife	Yes	Wife	Yes
Fort Wayne Works							
5	Mar. 14	John L. Rosencrance	35	Wife	Yes	Wife	Yes
3	Mar. 25	Wm. F. Kammeyer	31	Mother	Yes	Mother	Yes
7	Apr. 17	Clay Engle	45	Wife	Yes	Wife	Yes
Merchandise Dept.							
3	Mar. 3	Martin J. Babich	47			Wife	Yes
10	Apr. 12	Jeremiah Reilly	60	Wife	Yes	Wife	Yes
3	Apr. 20	Charles H. Emmott	43	Wife	Yes	Wife	Yes
Philadelphia Works							
13	Mar. 29	Adam Huber	53	Wife	Yes	Wife	Yes
10	Apr. 6	Alexander Weir	58	Wife	Yes	Wife	Yes
3	Apr. 18	Alfred Wellings	43	Wife	Yes	Wife	Yes
3	Apr. 28	James Cassidy	44	Wife	Yes	Son	Yes
General and District Offices							
9	Apr. 10	Chester C. Bond	33	Wife	Yes	Wife	Yes
34	Apr. 11	Daniel H. Deyoe	55	Wife	Yes	Wife	Yes
11	Apr. 20	Julia A. O'Malley	46	Father	Yes	Sister	Yes
I.G.E. Co. and Subsidiaries							
1930							
15	July 31	Arthur H. Hedger	47	Daughter	Yes		
Incandescent Lamp Dept.							
1931							
11	Mar. 22	Henry Hupertz	71	Wife	Yes	Estate	Yes
7	Apr. 4	Alexander Balcer	45	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
1931							
24	Mar. 26	Harry J. Campbell	65	Wife	Yes	Wife	Yes
31	Mar. 26	Louis Ceglowski	68			Wife	Yes
39	Mar. 26	Edward D. Priest	69			Wife and Children	Yes
32	Mar. 27	William Wood	75			Wife	Yes
26	Apr. 18	Lawrence Cooper	62	Wife	Yes	Wife	Yes
River Works							
39	Apr. 11	Michael McEnaney	67			Wife	Yes
West Lynn Works							
24	Apr. 11	Seymour J. Watson	71	Wife	Yes	Wife	Yes
Pittsfield Works							
20	Feb. 18	Clark S. McKallip	73			Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims Paid Month of April, 1931	35	$ 43,462.06	39	$ 66,000
Claims Previously Reported, 1931	91	103,570.17	94	150,500
Total Claims 4 Months, 1931	126	$147,032.23	133	$216,500

(*Continued on next page*)

Concerning the Folding of Paper Napkins

G-E Photoelectric Relays are Used to Help Make Them Neat

THE next time you are on a picnic and are handed a well-folded paper napkin with your lunch, you may be using a napkin which was inspected by the magic electric eye. A large midwestern manufacturer of paper products has adopted this device as an aid in making neat folds in its paper napkins.

The paper napkins are manufactured in various designs and colors. The paper is fed from rolls to machines which emboss it, fold it and cut it. Heretofore it has been difficult to keep the paper in the correct position so that the napkin would be folded in the center with the edges even and, since folding doubles any error in alignment, it took but a very slight deviation of the paper to result in napkins poorly folded and consequently rejected.

The situation was remedied with the assistance of General Electric engineers, by using the G-E photoelectric relay, a device which is sensitive to changes in light intensity. This relay is set to keep a watch on the edges of the tissue paper as it runs through the machine, and by means of signal lights, warns the operators to change the position of the paper when it is not in the correct position for producing neatly folded napkins.

The arrangement of the equipment is as follows: A 100-watt lamp is fixed to shine down on the tissue paper at a point just before the machine folds and cuts the finished napkin. Immediately below the edge of the paper are placed two photoelectric tubes so arranged that a decrease of light actuates one, and an increase of light actuates the other. The one affected by decreases in light is situated just a little to one side of the paper so that the full amount of light normally shines on it. Thus if the paper moves away from its correct position toward that relay, the amount of light striking the tube is diminished, by being intercepted by the tissue paper. The other tube is placed a corresponding distance under the paper itself and its normal condition is to receive light already diminished by the interception of the tissue paper. Thus, should the paper move away from the correct position in the other direction, the second relay will be actuated because its tube receives more light than it normally should.

Each photoelectric relay controls an indicating light visible to the machine operator, one a red light and the other green. When the operator sees the light flash on, he knows he must shift the paper back to the correct position, and the color of the light tells him which way to shift it. As the photoelectric tubes are but 1/32 inch apart, the arrangement keeps the paper variation within very small limits.

Death Benefits Paid and Disability Claims Allowed Under Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.		Add'l Ins.
	1931					
Schenectady Works						
38	Apr. 13	Andrew Schairer.....	57			Yes
39	Apr. 17	Isaac Fagal.....	56			Yes
River Works						
13	Apr. 13	George W. Daniels.....	57			Yes
West Lynn Works						
25	Apr. 13	Jennie E. Sullivan.....	46			Yes
17	Apr. 13	Fred Chillis.....	55			Yes
10	Apr. 22	Josiah L. Porter.....	32			Yes
Disability Claims Granted April, 1931...					6	$ 8,500
Disability Claims Previously Granted, 1931.....			3	$2,800	21	32,500
Disability Claims 4 Months, 1931.....			3	$2,800	27	$41,000
Total Death and Disability Claims Since January, 1920.....						$7,187,701.78

Cost of Electricity Reaches New Low

ON A national average, electric current for all domestic purposes broke through the six cents level per kilowatt hour in the month of March. The average of revenue per kw. hr. sold now stands at about 5.95 cents, the lowest in the history of the business, according to figures compiled by the Statistical Research Dept. of the National Electric Light Association.

The new figure represents a decline of a full cent per kilowatt hour, or 14 per cent since 1926, less than five years. The decline since 1913 is 2.3 cents, or 31 per cent.

While rates have steadily decreased, the average of electricity used by the consumer has gone up. From an average figure of approximately 270 kilowatt hours per year in 1913, the amount grew to 427 kw. hr. at the end of 1926 and the kw. hr. figure is 559 at present.

The net result has been an increase of 30 per cent in the amount of electricity used since 1926 by the average housekeeper, although her annual bill has increased only 10 per cent.

Domestic electric service now stands at 69 per cent of its average price in 1913. This is in direct contrast to practically everything else sold at retail which is still well above the 1913 level. In spite of its abrupt decline during the past 12 months, the composite figure for the "cost of living" today is at a level about 57 per cent above its 1913 figure. It is still two and a half times what it was in 1890. The price of electricity is now one-third of what it then was.

GIRLS' SECTION

Elex Club Activities

Mother-Daughter Banquet

ONE of the biggest events on the Elex calendar for the spring season was the Mother-Daughter Banquet held on May 5. This event was open to all G-E girls, who were privileged to bring their mothers, another guest or to come alone. The banquet was scheduled for 5:45 p.m. to be served in Bldg. 16-2 of the Works Restaurant. Pastel shades were used in the scheme of decorating the hall. Tall pink tapers tied with bows of green tulle graced the tables and the favors were corsages of roses and sweet peas.

During the serving of the dinner music was furnished by the Marille Trio—marimbaphone, Marian Longsworth; violin, Lela Hagan; piano, Marian Darrow. A short interesting program was then presented. Marie Blough, president of Elex Club, acted as toastmaster and gave the address of welcome. A toast to the mothers was given by Mrs. Louise Lawson, vice president of Elex Club, and responded to by Mrs. Harry Hogan. Louise Borgman, Accounting Dept., Bldg. 18-2, sang a number especially dedicated to the occasion, with Erma Somers, Payroll Dept., Bldg. 18-2, at the piano. At this point in the program Marie Blough, in behalf of Elex Club, presented Mrs. Hogan a gift in appreciation of the willing assistance she has given the club members in all their undertakings during the past few years. Miss Borgman, again accompanied by Miss Somers, then sang "I Love You Truly." Rev. L. N. Rocca, then presented an address on "Mothers and Daughters."

The guests at the banquet included: Mrs. E. A. Barnes, Mrs. C. H. Matson, Mrs. R. F. Harding, Mrs. Harry Hogan, Mrs. Marie Kane, Mrs. Louis N. Murray, Mrs. P. J. Morris, Mrs. Opal Bainbridge, Mrs. E. Hartman, Mrs. L. H. Stapleton, Mrs. Della Rasor, Mrs. Mae Chapman, Mrs. Minnie Wesling, Mrs. Pearl Snyder, Mrs. A. Kelsey, Mrs. Leon Rademaker, Mrs. Horace Townsend, Mrs. Louise Drewery, Mrs. Cora Mueller, Mrs. Harvey Stahl, Mrs. Margaret Hadsell, Mrs. Charles Magers, Mrs. Charles F. Krudop, Mrs. Alex Schlotter, Mrs. H. E. Teeters, Mrs. Charles Pence, Mrs. Theodore Horstmeyer, Mrs. H. Quinn, Mrs. Walter Bell, Mrs. Peter Wagner, Mrs. George Schele, Mrs. B. Martin, Mrs. Ella Gaffney, Mrs. William Crick, Mrs. Joseph Benanti, Mrs. Mary Walda, Mrs. Amber Young, Mrs. Bertha Dickson of Detroit; Mrs. Earl Valentine of Cleveland, O.; Mrs. William Fry, Mrs. Margaret Sorg, Mrs. Julia Hilger, Mrs. Agnes Hausbach, Mrs. George Klotz, Mrs. William E. Moll, Mrs. Clark Pence of South Whitley; Mrs. Clara Cooval, Mrs. George Meyers, Mrs. Amelia Stier, Mrs. F. E Oddou, Mrs. Irene Bicknese, Mrs. Alice Liggett, Mrs. David Martin and Mrs. J. E. Dawson.

Preceding the evening event a tour through the plant had been arranged. Esther Moll, Marie Blough, Irene Meyers and Lois Miller were in charge of the tour and had the honor of giving the following guests a glimpse of the inside of our Fort Wayne Works: Mrs. Marie Kane, Mrs. Louis N. Murray, Mrs. P. J. Morris, Mrs. Opal Bainbridge, Mrs. E. Hartman, Mrs. L. H. Stapleton, Mrs. Della Rasor, Mrs. Mae Chapman, Mrs. Minnie Wesling, Mrs. Pearl Snyder, Mrs. A. Kelsey, Mrs. Lena Rademaker, Mrs. Horace H. Townsend, Mrs. Louise Drewery, Mrs. Cora Mueller, Mrs. Harvey Stahl, Mrs. Margaret Hadsell and Mrs. H. E. Teeters.

"Southern Barbecue"

It takes more than rain showers to dampen the spirits of Elex Club members, for in spite of the frequent showers on May 19, 150 girls climbed into G-E trucks immediately after work and hied away to the big pavilion in Foster Park for the "Southern Barbecue" which had been planned for that evening. Big slices of juicy barbecued ham and beef, carved by a real colored chef, too, and served with a special sauce, rolls, potato chips, pickles, Eskimo pies, pop and coffee. A group of Elex girls disguised as waitresses did the serving.

After the supper, which needless to say was much relished by everyone, the girls played games between showers.

All arrangements were in the hands of the Elex Executive Committee, while Hilda Puff, Miriam Valentine, Ethel Chapman, Ruth Schweitzer, Marie Moor, Alma Enderle. Marie Laramore, Gertrude Werling, Lois Miller and Louise Lawson served as waitresses.

Week-end at Potawatomi Inn

The Elex Club social event for June is a week-end party at Potawatomi Inn, Pokagon State Park, on Lake James and the date is June 20 and 21. All reservations are filled and the group of 125 girls will leave on Saturday morning at 7:05 a.m. Daylight Saving Time from the New York Central depot, going by railroad to Angola where they will be met by a fleet of automobiles furnished by the Angola Chamber of Commerce and transported to the resort.

A program of outdoor sports has been planned for the two days. There will be a tennis tournament, a "Pirate Party," horseshoe pitch-



The Mothers and Daughters who attended the Mother-Daughter Dinner

ing, swimming, boating with special prices on both pleasure and speed boats, golf and hiking. Then there are the pleasant living rooms and deep veranda where one may play cards or just visit. On Saturday night there will be dancing at Weldon's Landing, located across the lake from the Inn. There will also be some special entertainment at the Inn for those who do not wish to attend the dancing at Weldon's.

The return trip will be made on Sunday evening, also by rail, with the train leaving Angola at 9:14 p.m. Daylight Saving Time and arriving in Fort Wayne at 10:45 p.m.

The Elex Executive Committee has charge of all arrangements.

Mrs. Lee Sapp Honored With Party

In view of her recent marriage, members of the Blueprint Dept., Bldg. 18-5, gathered at the home of Mrs. Lee Sapp, nee Marigold Hull, on May 25 and spent a happy, social evening.

Included in the group were Clara Sordelet, Thelma Johnson, Margie Baker, Alice Martin, Pauline Adams, Martha Ramel, William Doan, Joe Fagan, Leroy Rinard, Jerry Zehender, Orville Doherty and Bruce Curley.

On her return to work Monday, June 1, the Blueprint Dept. presented Mrs. Sapp a handsome gift.

Weddings

Harper-Anderson

The marriage of Estella Anderson and Palmer B. Harper, both of the Frac. Hp. Motor Dept., Bldg. 4-2, took place on April 25, with Rev. Daniel Brosy of Elkhart, officiating. Maxine Woods attended as bridesmaid and Ray H. Farkey as best man. A wedding dinner was served at the home of the bride's mother, Mrs. Leon Brown of Angola. The young couple are now residing at 402 E. Berry St.

Hoppe-Morris

On May 9 the marriage of Helen Morris, Transformer Production office, Bldg. 19-2, and John Hoppe of South Bend, was solemnized. Rev. John Wilson, C.P.P.S., performed the service in the rectory of the Church of the Most Precious Blood. Ruth Hilker and John Norris were the only attendants. Mr. Hoppe is manager of the Victor Beauty Shop and the young couple will make their home in this city.

Ohler-Holle

Ruth Holle, formerly employed in Bldg. 4-2, was married on May 17 to Kenneth Ohler, of Decatur. The service was read by Rev. Reinke at the parsonage of the Bethlehem Lutheran Church at 3 o'clock. Louisa Railing, Frac. Hp. Motor Dept., Bldg. 17-2, and Carl Whittenberg, of Decatur, were the attendants. A wedding dinner was served to 45 guests at the home of the bride's parents near Decatur. Mr. and Mrs. Ohler are now living on a farm northeast of Decatur.

Dierstein-Wilson

Eleanor Wilson and Roy H. Dierstein were united in marriage in a ceremony which took place on the evening of May 20 in the rectory of the Cathedral of Immaculate Conception, with Rev. Thomas Controy conducting the service.

Mr. and Mrs. Dierstein are now residing in their new home at 1021 Packard Ave.

Sapp-Hull

In a simple ceremony on May 23, in Plymouth Congregational Church, Marigold Hull, Blueprint Dept., Bldg. 18-5, became the bride of Lee Sapp, with Rev. Arthur J. Folsom officiating at the double ring service. Mr. Sapp is the son of Mr. and Mrs. James Sapp of Willshire, Ohio, and is employed at the Inca Manufacturing Co., and Mrs. Sapp is the daughter of Mrs. E. B. Hobson of 2418 East State Blvd., where the young couple will make their home for the present.

Downie-Hoch

At noon on May 30, Marie Hoch, Distribution Dept., Bldg. 18-5, and Emerson Downie, D-c. Apparatus Engineering office, Bldg., 19-3 were united



PERSONNEL OF THE SERVICE BUREAU

Left to right—First row: G. F. Bond, Magdalen Beck, Esther Prowant, Lenora Schoppman, Ella B. Sommer, Beatrice Orth, Janet Ruby, Mildred Stoll, J. T. Fredendall. *Second row:* Isabelle Hausbach, Helen Lieurance, Martha Mertz, Gertrude Grimes, Dorothea Buhr, Germaine Klingler, Marie Long, Virginia Althouse, Cecile Turner. *Third row:* Mary Savage, Mary Flannery, Helen Casey, Margaret Elliott, Wylma Greene, Naomi Kryder. *Fourth row:* Alice Mullican, Dorothy Henry, Pauline Beaverson, Lucile Jockel, Delight Harrison, Irene Stier, Margaret Oddou, Leona Horstman. *Fifth row:* Herbert Halley, Angelo Trentadue, Florence Rinehart, Lloyd Covault, Mabel Brommer, Letha Guild. (Esther Claxton and Kathleen Mero absent.)

in marriage. The ceremony was performed by Rev. William Clark at the parsonage of the Wayne St. M. E. Church. The bride and groom were attended by Mr. and Mrs. Ollie Chinnes. Following the ceremony Mr. and Mrs. Downie left on a motor trip to Hutchinson, Kansas, to visit Mr. Downie's parents. They are now at home in an apartment on Hanna St.



Ferdinand Kaade



Illion K. Rambo

Recent Deaths

Illion K. Rambo

ILLION K. RAMBO, 66, who was retired from service here on March 1, 1927, because of cataract affecting his sight, died at a local hospital on May 20. Mr. Rambo had worked in our Meter Division for nearly 30 years before the defect in his eyesight made it necessary that he give up his work. He was a watchmaker by trade and accordingly worked on the fine mechanisms manufactured in the Meter Division. For some time before his retirement, however, he inspected meter jewels. He had been a member of the local G-E Quarter Century Club since April, 1923. The funeral for Mr. Rambo was held from the home of Mr. and Mrs. H. T. Shafer, friends with whom he lived on Wilt St., on Saturday afternoon, Mary 23, with burial in Lindenwood.

Ferdinand Kaade

Ferdinand Kaade, 68, a member of the G-E Quarter Century Club who has been on the retired list since Feb. 1, 1926, died May 29 following an illness of several months. Mr. Kaade was born in Germany but came to this country as a young man and has been a resident of Fort Wayne ever since. He learned the core-makers trade at the Bass Foundry before he came to the General Electric 39 years ago. He followed his trade as core-maker in our brass foundry during the whole of his many years of employment here.

The funeral for Mr. Kaade was held June 1 from St. John's Lutheran Church.

Mamie Foley

Mamie Foley, 40, an assembler in the Fractional Horsepower Motor Dept., Bldg. 4-4, died May 24 at her home in Decatur after an illness of several months of carcinoma. Miss Foley came to the General Electric here as a new employee on April 29, 1929, starting as an assembler on fractionals and although she has worked in different departments during the 19 months she was actively employed here, her whole experience was in fractional horsepower work. The condition of her health had made it necessary for her to give up her work here on Nov. 20, 1930. The funeral was held at Decatur on May 27, with burial in the cemetery there.

A Sketch of Mr. Barnes' Earlier Life

(Continued from page V)

Soon after Mr. Barnes started with Bergman & Co., the Edison Company put into service an experimental electric train on a shuttle track between Grand Central Station and the "up-town" elevated railroad at 42nd Street and 3rd Avenue. The elevated trains at that time, it may be remarked, were operated by dinky little steam engines. It was Mr. Barnes' good fortune to work on the rheostats and some of the control equipment for this experimental electric locomotive, which was operated regularly on this shuttle train for approximately two years.

Another one of Mr. Barnes' assignments while at Bergman & Company's factory was his weighing of the zinc plates from the Edison "wet" meters which the Edison Company then used in determining the amount of electrical energy supplied its various customers. These meters utilized chemically pure zinc plates in an electrolytic bath and when connected in line with the customers' loads the flow of current through the meter caused electrolysis of the zinc plates and consequent change in the amount of material thereon. At regular intervals these plates were removed from the customers' meters and hauled to the laboratory at Bergman & Company's factory where Mr. Barnes, among others, carefully weighed them to determine the electric light bills. These were the days, too, when indicating instruments were rarely used. Instead of voltmeters in the power house to indicate the voltage of the generators, pilot lamps were used. If a red light showed on the switchboard it indicated that the generator voltage should be reduced, and when a green lamp burned, the generator voltage was too low. Such incidents cause us to realize that the electrical industry was quite young when Mr. Barnes started his career 45 years ago.

From Bergman & Company Mr. Barnes went into the Westinghouse Company's employ and for the two ensuing years installed Westinghouse equipment.

On April 1, 1889, he was hired by R. T. McDonald of the Fort Wayne Electric Light Company to install its machines. For the next three years Mr. Barnes installed "Wood" and "Slattery" dynamos in stations principally in and around Baltimore and Philadelphia. In 1892 he was directed by Mr. McDonald to go to Chicago to take charge of the installation and operation of the Fort Wayne Electric's exhibit at the World's Fair. In the fall of 1893 he was transferred here to the factory at J. J. Wood's request and made chief inspector of the products manufactured, and not long thereafter was appointed factory superintendent, a position which he has filled through all the intervening years.



The Six and One-quarter Pound Bass Caught by Otto F. Roehm at Rome City, last April



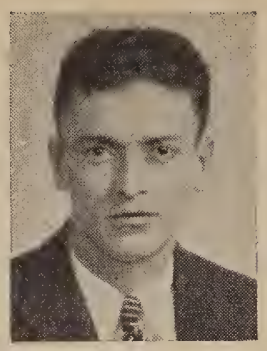
Kenneth French



Walter Ballard



Arthur Blume



Quentin Turner

Eight Apprentices Finish Courses

SINCE the last published report eight students, Arthur Blume, Conrad Monroe, Quentin Turner, Kenneth French, Melvin Nussel, Willard Fuller, Walter Ballard and Paul Felger, have completed their courses in our G-E Apprentice School and have been assigned to work for which their special training has fitted them.

Mr. Blume enrolled for apprentice training here in 1928, immediately after his graduation from Central High School of Lancaster, Ind. He completed the electrical course in April, and is now working in the Fractional Horsepower Motor Developmental Test under the direction of Mr. Elder.

Mr. Monroe, a graduate of Central High School of Fort Wayne in the class of 1928, started his work on the 3-year electrical course that same year and received his diploma on April 11. Since then he has been working for Mr. Magers in the Works Laboratory, Bldg. 28-1.

Mr. Turner, who had three years of high school training in high schools here and at Marion, Ind., took the machinist-toolmaker course which he completed on March 28. He is now working under Mr. Hoffman in the Tool Division, Bldg. 26-5.

Mr. French, who came here after graduating from the Lancaster High School in 1928, took the draftsman course completing it on May 9. He now is working in the A-C. Apparatus Drafting Section, Bldg. 19-3.

Mr. Nussel, who took the electrical course, comes from Brazil, Ind., where he finished high school in 1926. It was on May 9 that he finished his apprentice training and since then has been working under Mr. Kelsey at Winter Street Plant.

Mr. Fuller, a graduate of the DeSoto, Ind., high school, class of 1927, finished the electrical course here on May 18. He has been assigned to regular work in the Meter Developmental Dept., Bldg. 19-4.

Mr. Ballard was born in the Keystone State but his school work, both grade and high school, was secured here in Fort Wayne. He was graduated from Central High School in 1926 and received his apprentice diploma as a machinist-toolmaker on May 29. He is now employed in the Tool Dept. at Winter Street Plant.

Mr. Felger, a graduate of Fort Wayne Central High School, class of 1927, also took the machinist-toolmaker course finishing his apprenticeship here on May 29. He has been assigned to work in the Tool and Die Making Dept. under Foreman F. R. Hoffman, Bldg. 26.-5.



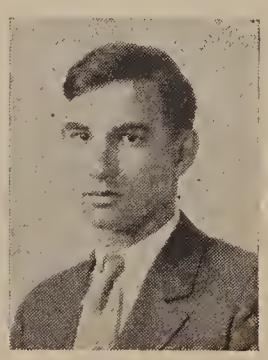
Melvin Nussel



C. J. Monroe



Paul Felger



Willard Fuller

Smile Awhile

Ole: "Tillie, vill you marry me?"
Tillie: "Yass, Ole."
(A long, long silence falls.)
Tillie: "Vy don't you say something, Ole?"
Ole: "Vell, I tink I say too much already."—*Washington Dirge.*

* * *

Judge: "Well, Mose, I can give you this divorce, but it will cost you three dollars."
Mose: "Three dollars, boss?"
Judge: "That's the fee."
Mose: "Well, boss, I jes' tell ya, I don't b'lieve I wants no divorce. There ain't three dollars diffrunce 'tween dem two wimmen.
—*Alabama Rammer-Jammer.*

* * *

The Pastor: "So the Lord has sent you two more little brothers, Dolly?"
Dolly (brightly): "Yes, and He knows where the money's coming from; I heard Daddy say so."

* * *

"What is the best thing to do when the brakes of one's car give way?" "Hit somcthing cheap."

* * *

Visitor in county jail: "What terrible crime has this man committed."
Warden: "He didn't commit any crime at all. He was going down the street a few days ago and saw one man shoot another, and he is held as a material witness."
Visitor: "And where is the man who committed the murder?"
Warden: "Oh, he's out on bail."

* * *

BEAUTIFUL BUT DUMB

Golf Fiend: "I got a new niblick, and paid only $12 for it."
Dumb Dora: "Why didn't you pay a little more and get a Buick?"

Events of 50 Years Ago

(*Continued from page IV*)

An invitation was extended to the mayor and members of the common council to call after the session last night to witness the display, and after council adjourned the members, headed by the mayor, proceeded in a body to the store room of Evans, McDonald & Co., and saw the light and listened to the intelligent remarks of Prof. Jenney and Mr. Hicks who elucidated and explained the workings of the machine. To say that the members of the council were well pleased would but faintly express their feelings, for they seemed to be more than pleased with the brilliant ight and cheapness of the material used. This is certainly the best electric light invented so far, and the light is uniformly steady and brilliant.

General Service Family Party

ONE of the principal events held in the G-E Club gym during the spring was that of the General Service Division's family party and get-acquainted at which over 600 people were present.

During the course of the evening there were pinochle, euchre and bunco games while the children were entertained with various contests. After the card games there was a piano solo by Marie Schwartz followed by a moving picture, "His Birthday Suit," and a clever tap dance was furnished by Esther Newman and Edna Huge accompanied at the piano by Eleanor Huge. Later in the evening an accordion solo was furnished by Ray Weikart. Round and square dances filled the remainder of the evening, music being furnished by the Hoosier Melodians.

There were various prizes for the contests including an attendance prize and a prize for the "Mystery Man Hunt" and special trophies were awarded for outstanding achievements. Mr. Stahlhut was awarded a special made fishing pole and reel for being the outstanding fisherman of bass at Hamilton Lake. Mr. Gollmer was awarded a cat-fish trophy for being the best night cat-fish fisherman of Hamilton Lake. Erven Huth, the outstanding manager of the General Service basketball team, was awarded a bright metal basketball with the inscription "Erven Huth, Manager 1931." Among the outstanding pipe smokers of the Division the judges had quite a time deciding which pipe had the sweetest aroma; so prizes, special pipe cleaners, were awarded to Messrs. S. A. Bickel, Forest Sommers, H. Kruge, Fred Engle (Decatur), J. Mougin, Al Powell and Harry Rohrbaugh. The General Service Division from Winter Street was well represented and carried away the majority of the prizes. Our distant General Service friends from Decatur were represented with six families. Near beer and pretzels, orange crush and fountain cookies were the main refreshments of the evening while lollypops, candy and novelties were distributed during the evening.

E. J. O'Neill, with the aid of the microphone, directed the ceremonies and program of the evening.

About "Backgrounds"

HOW many people are there who buy good clothes, rent good houses to live in, entertain lavishly—living beyond their means while doing so? And how often, when something happens unexpectedly in the family, is the real position of these people exposed and we see there just isn't any background? All the time they had been putting up a good "front" and nothing else!

Many a man supposed to be financially comfortable has died leaving not a cent of savings and not a penny of insurance for his family. And when these dependents are left in such poverty that they are thrown on the public for support, the man appears as ridiculous as a nobleman who is richly dressed outside but has not a shirt to his back.

When this Company arranged to provide Group Insurance for its employees, it was thinking of the *background*. It had in mind supplementing the estate which every man should create for his dependents, or the estate which every independent person should create to keep himself or herself out of that class which is unprepared for emergencies. It wanted to awake its employees to the fact that they needed this protection, and at the same time help them to get it at the lowest possible cost to themselves.

Insurance is something no one can afford to be without. For the head of the family it affords peace of mind regarding his dependents—for the unmarried person it affords a sense of independence in case the unexpected happens.

Far better than putting on a "front" is to live within your income, save money, invest wisely, and provide yourself with adequate insurance protection. The background you build up in this way will serve you well through life, and your family afterwards. Today is the day to think of insurance. Tomorrow may be too late.



A Real Old Timer. The Volunteer Firemen as They Started out on Their First Outing at Robinson's Park in 1897. Gus Kayser, Who Celebrated the 40th Anniversary of His Service with the Company Last Month, Stands Directly Under the Motorman

JUNIORS' PAGE

Dear G-E Juniors:

I suspect all of you Juniors have been wondering who were the ones to win the special prizes by having the best score in solving the Junior Page puzzles during the past 12 months. Well, this year there was just one boy and one girl who won. Celeste Schwartz, of Fort Wayne, is the little girl whose name stands at the head of the list and Richard Jackson, of Decatur, is the boy who had the best record among all the boys who have been working out the answers to the Junior Page puzzles. Celeste made sure of a prize by working everyone of the



James and Almed, Children of Joseph Walker, Bldg. 17-2

puzzles correctly during the year and Richard only failed on the working of one. So, Celeste was the little girl to whom we gave the pretty black and green Shaeffer pencil that was the prize for girls and Richard received the dandy first baseman's mitt that we were able to secure as the special prize for boys.

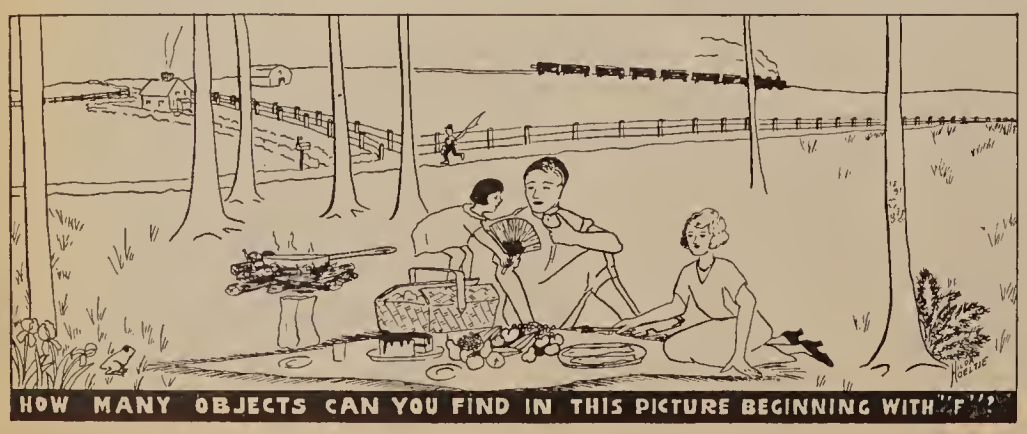
Celeste's father, John Schwartz, is employed at our Winter Street Plant here in Fort Wayne, while Richard's father, Rolla Jackson is employed at the Decatur G-E plant.

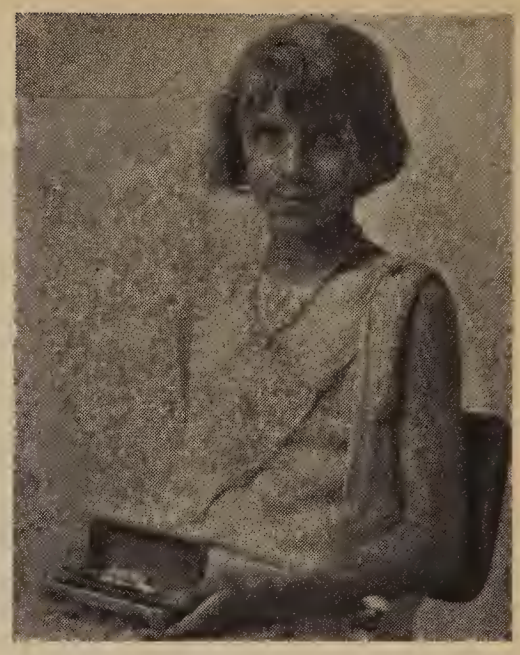
There were several of our Juniors who did very well in the contest



Richard Jackson, who won the boy's prize, is the son of Rolla Jackson, of the Decatur Plant

but unhappily failed to solve quite enough of the puzzles to place their names with those at the head of the list. However, we could not be sure just who would win the prizes or just how many special prizes we might need until all the answers were in. Dorothy Gebhart had 11 correct answers, Catherine Murphy, Kathryn Rice and Arno Schelper each had nine, while Berniece Etzler and Elmar Devaux each turned in eight puzzles which were correct. I know all of these Juniors especially tried mighty hard and we are only sorry that more of our little correspondents





Celeste Schwartz, who won the girl's prize, is the daughter of John Schwartz of the Winter St. Plant

did not qualify for the big prizes of the year.

Now I am sure all of you will be interested to learn that we will have the same kind of a contest which will end with the puzzle published in the May number of the Works News next year. Again there will be a special prize for the boy who works and sends us answers to the greatest number of the 12 puzzles and a special prize for the girl whose record places her name at the top of the group of girls. There will be duplicate prizes if there should be a tie and the only requirement is that the contestants must not have passed their 12th birthday by June 1, 1932. The puzzle in this issue is the first in the new contest and we hope a great many letters will come to us with the correct answers enclosed.

The names of the flowers on the "Tulip House," which was our puzzle in the May Works News, were pansy, jonquil, iris, violet, tulip, hyacinth and daisy. Prizes for the month were mailed to Dorothy Gebhart, Paul Everding, Margaret Everding, and Arno Schelper at Fort Wayne and Roscoe, Robert and Raymond Raudebush at Decatur. These last three are new Juniors and are triplets, eight years old. I think it must be great fun to have two brothers the same age as yourself. Celeste Schwartz, Dorothy Gebhart, Elmar Devaux, Lois Jean Stalf, Paul Everding, Margaret Everding, Kathryn Rice, Eleanor

Schelper, Arno Schelper, Dorothy Brady, Richard Jackson, Catherine Murphy, Ella Fay Ogg, and Roscoe, Robert and Raymond Raudebush all sent in letters with answers to the puzzle last month.

For pictures this time, of course, we have those of our two prize winners, Richard Jackson and Celeste Schwartz, but we also have this picture of James Robert and Almed Rose Walker, the children of Joseph Walker who operates a punch press in Bldg. 17-2. James and Almed are scarcely old enough now to solve our Junior puzzles, but we hope they will try them when they are big enough to be in the third grade in school. We are always delighted to have such dandy pictures of employees' children and we hope other employees may send us pictures of their youngsters which they would be glad to have us use.

For this month's puzzle we have a vacation picture—a little girl with her mother and daddy just about ready to eat a picnic lunch. In this picture there are 25 objects that begin with the letter "f." I hope you can find all of them, but if you name for us as many as 18 we will count your answer correct. As this is the first puzzle in the new contest I shall be looking for a lot of letters and I hope that some new Juniors will be found in the list.

Yours sincerely,

Jill

Art from the Electric Arc

PERHAPS one ordinarily would not think that the electric arc as used in arc welding apparatus would be the means of producing a piece of art. However the electric arc was the means by which a workman in our factory here produced the loving cup illustrated on this page. The workman who conceived the possibilities of building such a cup, of course, is a very capable arc welder and during regular working hours is engaged at his trade. During some of the recreation hours at noon-time, however, this operator tried his hand at producing with his arc-welding torch the 12-inch iron cup which is here shown. The entire body and top of



An Arc-welded Loving Cup Made by R. E. Marquardt, Sheet Metal Dept.

the cup is of metal which passed in the vapor state from the metallic electrode through the gap of the arc to the body of the work where the material was deposited in solid metallic form. The shell of the cup is only about one-half as thick as the stem at its smallest part and the separate cap also is of the same shell-like construction. The handles are the only part of the assembly that are not of the arc borne metal, and they are of solid metal rod which first was bent to shape and then electrically welded to the body of the cup.

R. E. Marquardt, who works in the Sheet Metal Dept. of the General Service Division, is the one who constructed this unusual cup. On learning that Mr. Barnes was soon to retire as General Superintendent of our Fort Wayne Works, Mr. Marquardt presented this clever piece of his handiwork to Mr. Barnes as a souvenir.

Winter Street Plant News

Winter St. Has Automatic Telephone Exchange

ON MAY 1 the new automatic telephone exchange was scheduled to be ready for service at Winter Street Plant. Heretofore, although automatic telephone instruments were in use at Winter Street, all calls to and from the Plant and internal calls there as well, were handled through a manually operated switchboard. With the new private automatic exchange in service only the incoming city and long distance calls and toll line connections required by individuals at Winter Street will be handled by their telephone operator. The new telephone directories for our Works give the special instructions necessary for dialing phone numbers at the other plant. Seven leased lines connecting the Broadway and the Winter Street Plant exchanges should insure good telephone service between our two local Plants. Three leased lines between the Winter Street exchange and the Home Phone Company's Anthony exchange have been arranged to handle Winter Street's outside calls. Coincident with the installation of this new automatic exchange, which has a capacity of 80 lines, a new telephone cable system was installed in the Winter Street Plant. Esther Shannon continues as telephone operator and information clerk at Winter Street.

Notes

With Our Employees

George Michaels is back on the job after a recent operation—glad to have you with us again, George.

Clayton Schultz has been removed from the St. Joseph Hospital to his home, 1317 Warren Street and, during his convalescence, will welcome visits from friends.

Harold Shannon, formerly of the Engineering Dept., was married May 23 to Alice Montgomery, Girl's Reserve secretary of the Y. W. C. A. The newlyweds carry our best wishes with them to their new home in Buffalo where Harold is now associated with the G-E refrigerator distributor.

Births

We are happy to announce new arrivals among our employees as follows:

Mr. and Mrs Wm. Brown, a boy.
Mr. and Mrs. Joe Cline, a girl.
Mr. and Mrs. Grant Eversole, a boy.
Mr. and Mrs. Wm. Sommers, a girl.

All report mothers and babies getting along nicely.

Sports

A creditable record with four straight wins places our softball team on the top of the league or a standing of 100 per cent.

Our handball team shows exceptional promise and have an even split of one

game won and one lost. Both teams are having loyal backing by a number of rooters.

J. W. Crise, Wayne Cook, George Waldschmidt and Harold Brudi motored into Northern Michigan for a trout fishing trip over Decoration Day. The boys were looking forward to a large catch and if successful their pictures no doubt will soon appear in the WORKS NEWS.

Theater Party

Honoring Esther Shannon, our contestant for the Yellowstone Park tour 200 employees attended the Paramount Theatre on the evening of May 26 and had one of those particularly good times that G-E crowds are noted for. Special songs, lobby and stage displays, a good program on the screen with the appropriate offerings of Bradley Kincaid made the evening one to be remembered.

« ATHLETICS »

Inter-department Baseball League

Motor Vets, last season's champions, and the Transformer team are tied for first place in the league standing. Meter is holding second place, while Apparatus, Small Motor, Squares and Winter Street are tied for third place. Apprentice and General Service teams have failed to score wins but recent changes in the line-up of both teams should help in future contests.

Rain and cold weather has caused postponement of some of the league games, but these are being played on Friday evenings, w th the regular scheduled games occupying both diamonds at the Taylor Street grounds every Tuesday and Thursday evenings. An increasing number of fans has been attending these twilight games and as most of the teams have a number of semi-pro players on their rosters the games are close and filled with real playing.

Inter-department Softball League

Four teams are tied for first place in the Inter-department Softball League and the other eight are trailing closely and threatening to replace the leaders. Games are played on both diamonds at the Taylor Street grounds four evenings each week to handle the heavy schedule. The City Industrial league softball games occupy the courts on Thursday evenings.

STANDINGS

	W	L	P.C.
Squares	5	0	1.000
Apprentice	4	0	1.000
Apparatus	4	0	1.000
Winter St.	4	0	1.000
Refrigeration	4	1	.800
Small Motor Factory	2	2	.500
Small Motor Office	1	3	.250
Main Office	1	3	.250
Transformer	0	3	.000
Plant Construction	0	3	.000
Distribution	0	4	.000
Rotors	0	4	.000

The G-E team in the City Industrial Softbal League opened its schedule with a victory over General Cables team and should repeat its last season's championsh p record. Manager Paul Berghorn has selected the following named players from the Inter-department league to comprise the G-E representative team in the city league; Jerry Schlund and Lyle Reynolds, 1b; Dugan McKerring, rss; Dick Florent, 2b; Geo. Houser, lss; E mer Paul, 3b; Babe Trentadue, lf; Glenn Staight, cf; Bob Kittle and Art Anderson, rf; Pete Heckler, Bruce Curley and Dick Keller, pitchers; Bob Hunt and Harold Koogle, catchers.

Send a picture of your catch of fish to R. E. Perkins, Bldg. 6-2. Tell where you caught them and any other details of interest.

G-E Horseshoe Team Wins

The G-E horsehoe team, comprising Harold Hartman, George Lenz, Harold Snyder, William Stute, Everett Pace and John F. Blakely, won the City Industrial Horseshoe League championship and have been awarded the trophy donated by Chris Hahn, president of the league.

Last season the G-E team won the third and conclusive leg on the Hertz trophy and they have always been consistent winners in this circuit. The Dudlo team won the first half round this season. G-E won the second round, and then defeated Dudlo 9 to 7 in the 16-game play-off.

Guy Binkley, employed in Bldg. 4, cons dered one of the best pitchers in this locality and usually one of the mainstays of G-E horseshoe teams did not participate this season as a majority of the League managers ruled that Guy could play only under a 25-point handicap, and rather than submit to this penalty on his abi ity, Binkley withdrew from the team.

* * *

John Blakely is again conducting an inter-department horseshoe league and has arranged a schedule of single games to be played every noon on the courts located in McCu loch Park. The entries closed on June 15 and there is a sufficient number to assure a full schedule of contests.

G-E Golf Team

L. Gossman is managing the G-E golf team in the City Industrial Golf League and has selected members from last year's team and the G-E tournament list. The present team is subject to changes and any good gol er will be given a chance. If you feel capable of making the team communicate with Gossman, Bldg. 4-6, phone 435.

Rifle and Pistol Club

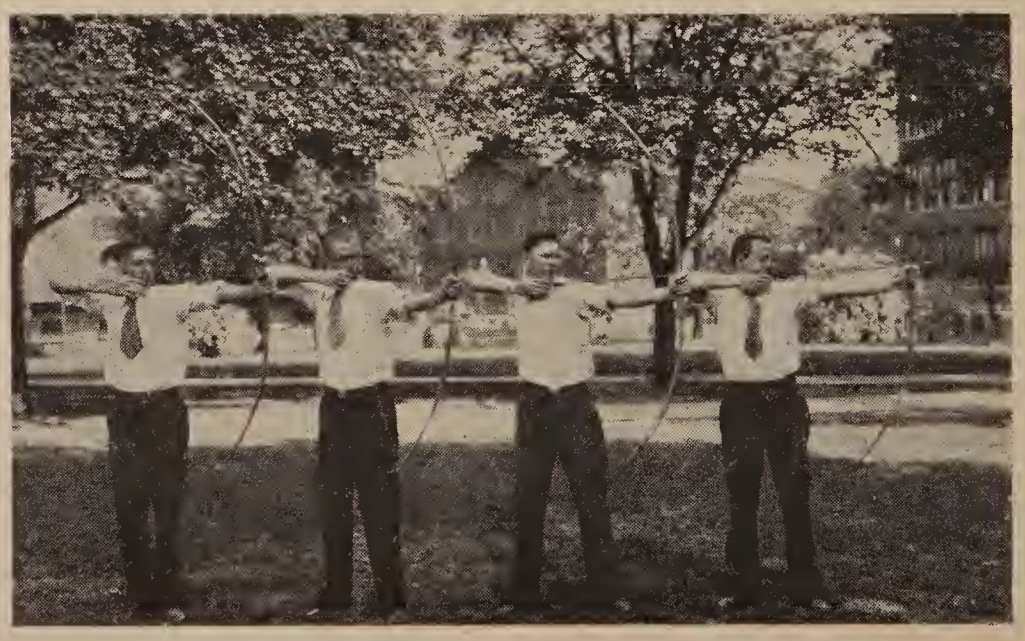
Members of John Hall's rifle and pistol club, who have been using the indoor range in Bldg. 6-B, during the past few months, moved to their outdoor range located on the Bluffton Road and are holding regular practice every week-end.

A number of young fel ows have joined the class and there is a large attendance at each session. Anyone interested in this pastime should see John Hall, Bldg. 18-5.

Industrial Baseball League

The G-E team in the City Industrial Baseball League was forced out of first place in the circuit standing when they dropped an 8 to 7 game to the Pennsylvania R.R. Club, but this doesn't mean they are out of the running or can't recover the leadership during the remainder of the first half.

Manager William Glenn has strengthened the infield with Lou Barney at



Left to right: S. B. Stilwell, C. Barnes, Geo. Fann, Wallace McKay

second, and will probably have Lichty try-out with Jeanette in the Pennsylvania league, in the line-up. Both Barney and Lichty are good hitters and should add the necessary punch to an otherwise good team.

Games are played every Saturday afternoon, starting at 2:30, in the city parks, and have been attended by a fair number of fans.

Joins Golfers' Hall of Fame



Ordell Blankenbaker

Ordell Blankenbaker of General Service Office, Bldg. 20-1, made a hole-in-one at the Elks Country Club on Saturday May 16, while playing with Harold Wade of the Plant Construction Dept.

So far as is known, Mr. Blankenbaker is the only local employee belonging to the exclusive "Hole-in-one" clique.

Archers Go to Outside Ranges

The archers of the G-E opened the outdoor range at Taylor Street on June 7, with a meet between the G-E team and a city team. There were also a number of individual shoots, and exceptionally good scores were registered.

The outdoor range includes distances of 30 yards to 100 yards, with ample room for both ladies and men, and frequent meets and matches are being arranged for the summer schedule.

An increasing number of both men and women are taking up archery. There are more things to shooting a bow and arrow than appear on the surface, but continuous practice soon develops one so that one can handle the equipment with remarkable proficiency. Most of us think of the bow and arrow set we had when we were young, but there is a vast difference between those playthings and the implements used by these marksmen. In addition to the bow and arrow, one must learn the holding, drawing, loosing, point of aim, elevation and line, allowance for wind carry, weight of arrow, pull of bow—usually between 30 and 40 pounds—and a few other mere technicalities, but these are all mastered with practice and there is a fascination about the whole procedure.

Notices of matches will appear on the weekly bulletin and visitors are always welcome at the range.

Many Attended Athletes' Dinner

The inter-department athletics dinner held May 11, in the Works cafeteria to honor past season basketball and volleyball players was attended by a large and enthusiastic crowd.

Fred G. Duryee, serving as toastmaster, included some well-taken novelties in the program and his intimate knowledge of the speakers helped to put over the informal nature of the gathering. E. A. Barnes, superintendent, gave the principal talk and outlined the start and completion of the G-E Club in his interesting manner. Harry E. Hire, president of the G-E Club, gave a brief summary of the past season's activities and forecast an extremely interesting summer schedule with additional activities planned.

G. R. Lindemuth, chairman of the Athletic Committee, completed the program with the presentation of trophies and player awards to the honor teams.

The Apprentice team, champions of the inter-department basketball league, received the Albert J. Francis trophy given to the league by the late Mr. Francis' wife, Mrs. Carrie L. Francis. Monogrammed sweaters were awarded to William Schible, Herman Lankenau, Everett Keese, John Dilling, Elmer Paul, Frank Morel, John Batzner, Calvin Marhenke and Adam Farrell.

Fractional Motors team, champions of the inter-department volleyball league, were given the Kay Jewelry Store cup, and monogrammed sweaters were given to the team members: C. F. Roembke, Harold Spath, James Johnson, W. E. Beer, L. D. Hodell, L. W. Kuttner, M. L. Hartman and E. G. Stock.

G-E Club monogrammed leather jackets were awarded to Byron Evard, George Boots, Bruce Hamilton, Al Hutchinson, Ife Holmes, Preston Slack, Harry Spahr and Ray Lindemuth, members of the G-E Club basketball team.

Dick Florent, Bob Hunt, Francis Richards, Glenn Staight, Earl Strouse, and Babe Trentadue of the G-E Junior basketball team were awarded Junior monogrammed sweaters.

The Mazda basketball team, champions of the City Industrial League, winners of the Y.M.C.A. city championship title, and holders of the E. A. Barnes and McMillen trophies, comprising Charles Braden, Alton Corson, Leo Elward, Verdayne Fisher, Frank Gamec, Arthur Mossburg, Hilbert Nahrwold, Jim Oman, Ed Virgil and Dee Hamilton, were awarded monogrammed jackets.

Ralph E. Perkins, director of inter-department athletics, was presented a monogrammed jacket in appreciation for his services.

Pete Dannecker's G-E Club orchestra furnished music during the dinner hour.



DECATUR SECTION

Gecode Club Spring Dance

THE opening event of the Gecode Club's program of summer activities was held at the K. of C. Hall May 7 in the form of a May dance. The committee in charge, Ethel Tumbleson, Elsie Brunnegraff and Dorothy Johnson, made clever use of lilacs and wild flowers in decorating the hall and it was a very pretty scene which greeted the 75 couples who assembled for the dance. Music was furnished by Dee Fryback and his orchestra.

Inter-Dept. Baseball

A four team inter-department baseball league has been organized at the Decatur Plant with the Stator Dept., Armature Dept., Inspectors and Tool Room entering teams. Games are played on the South Ward diamond each Monday and Wednesday evening starting at 5:00 p.m. The popular five-inning game is used for these twilight contests and each team captain, A. Schneider, F. McWhinney, R. Bogner and R. White is certain that his team will be the winner when the final series comes to an end. There has been a goodly turnout of candidates for each of the teams and some clever baseball may well be expected before the schedule is far advanced.

The plan is that the season shall be divided into halves, the winner of the first half playing the winner of the second half a three-game series at the end for the trophy and final honors. The standing at the time of mailing the WORKS NEWS report was as follows:

	W	L	P.C.
Stators	2	0	1.000
Armatures	1	1	.500
Tool Room	0	1	.000
Inspectors	0	1	.000

C. Smith, L. Beal and F. Busse have been appointed as the official umpires and two of these men are used in each one of the games.

Weddings

Brown-Smith

Alta Smith, an employee of the Winding Dept. at Decatur, and Dallas Brown, a former employee of the General Electric Co. here, were married at the Evangelical Church parsonage in Decatur, Wednesday, May 13. They are now at home to their many friends in the residence on the "Blue and Silver Black Fox Ranch," two miles east of Decatur on the old Decatur-Van Wert Road.

Baumgartner-Werling

Florence Werling, an employee of the Collector Dept. here, and Glen Baumgartner were married on May 22. They are now at home to their friends at their farm home seven miles southwest of Decatur near the Kirkland High School.

Service Anniversaries for May

Fort Wayne Plant



Frank Gaffney

30 Years

Frank Gaffney - - - June 21, 1901

25 Years

Henry L. Lenz - - - June 6, 1906

20 Years

Henry Knuth - - - June 16, 1911
C. Walter Bell - - - June 19, 1911
William H. Skevington - - June 28, 1911
Frank Wickman - - - June 30, 1911

15 Years

John Beckman - - - June 3, 1916
Bernard C. Weber - - - June 5, 1916
Orval Stanton - - - June 8, 1916
Harry Feaser - - - June 10, 1916
D. W. Merchant - - - June 13, 1916
Fred H. Witte - - - June 13, 1916
Clarence Hatfield - - - June 13, 1916
Elmer Warner - - - June 15, 1916
Fred Welbaum - - - June 20, 1916
Leland P. Larenitis - - - June 20, 1916
Wm. Masel - - - June 22, 1916
James L. Valentine - - - June 23, 1916
Clarence A. Brenner - - June 26, 1916

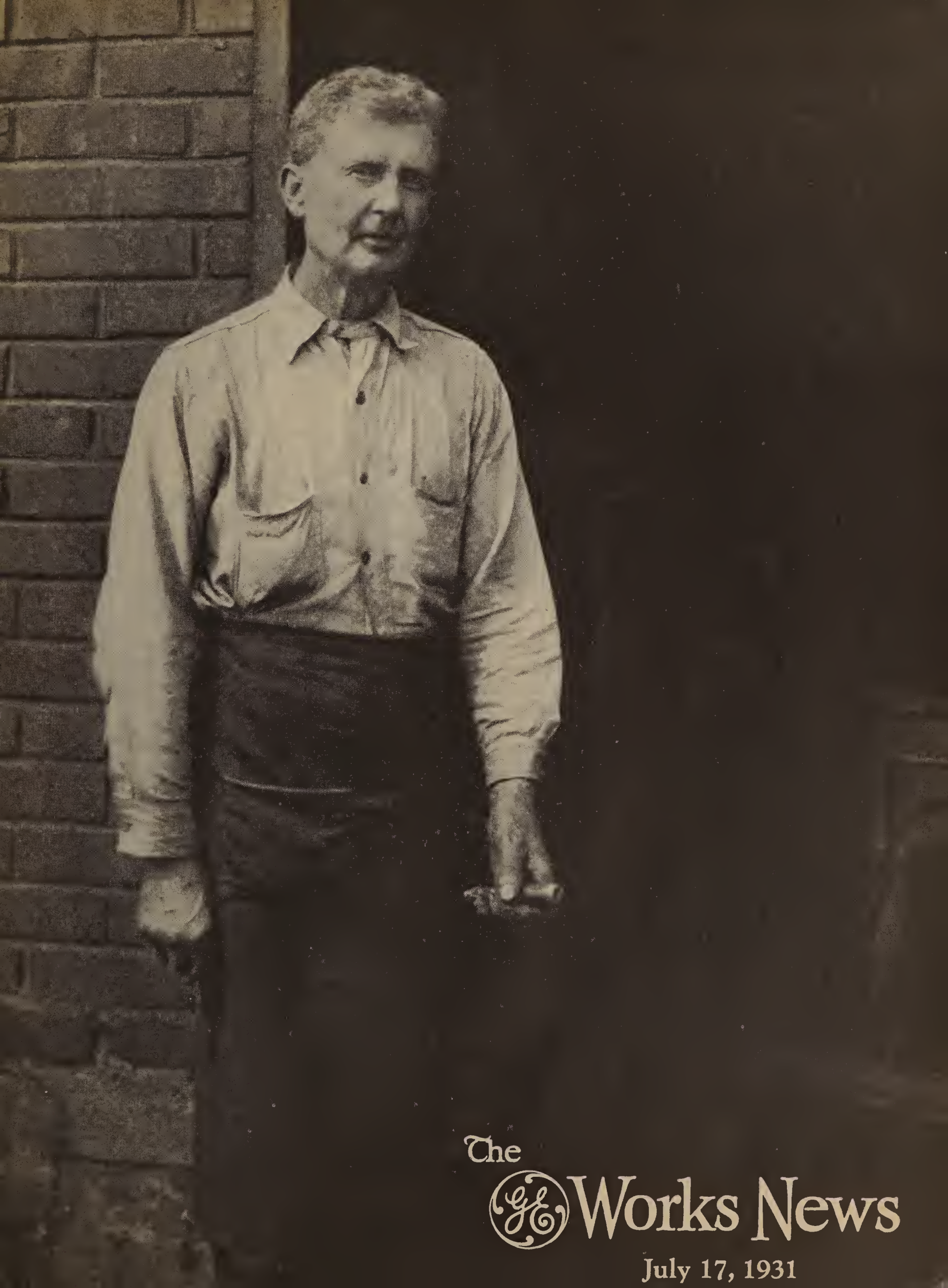
10 Years

Lester A. Didier - - - June 1, 1921
Joe Walker - - - June 2, 1921
Lawrence A. Kramer - - June 17, 1921
Melvin France - - June 25, 1921

Decatur Plant

15 Years

Charles Lantston - - June 5, 1916



The GE Works News

July 17, 1931

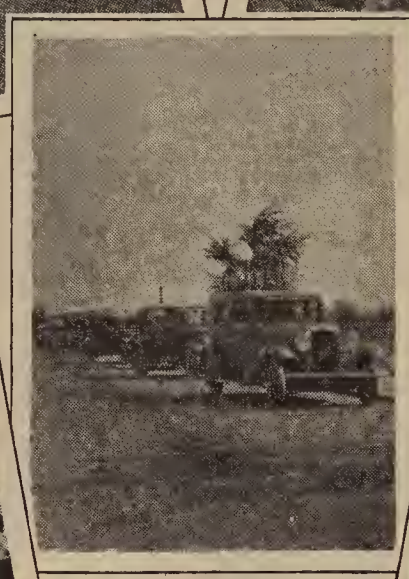
At the Decatur G-E Club Outing



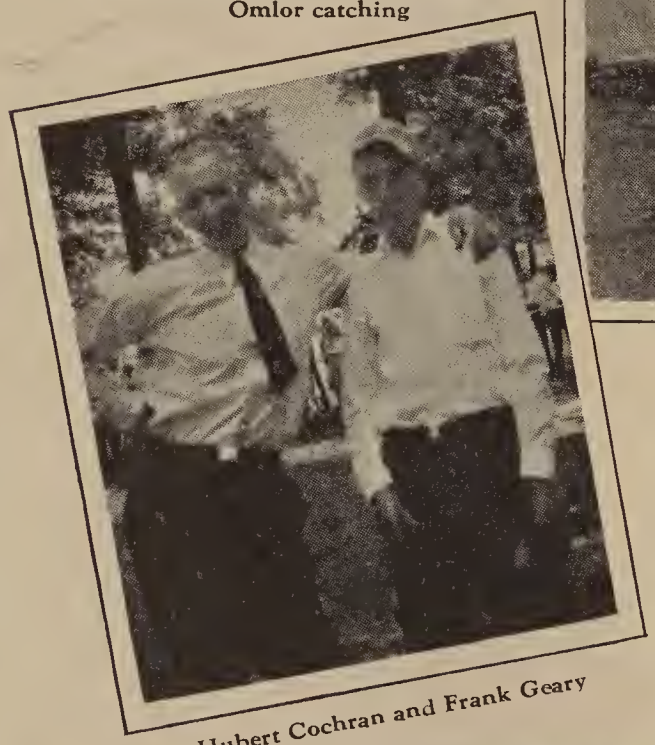
Raymond Schackley at bat, Jerome Omlor catching



The lunch stand is ready for the hungry crowd



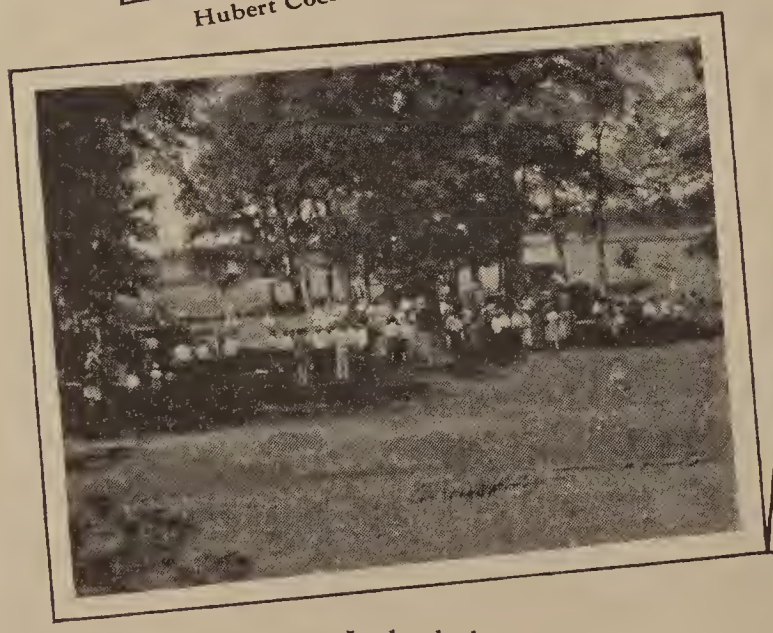
On the way out



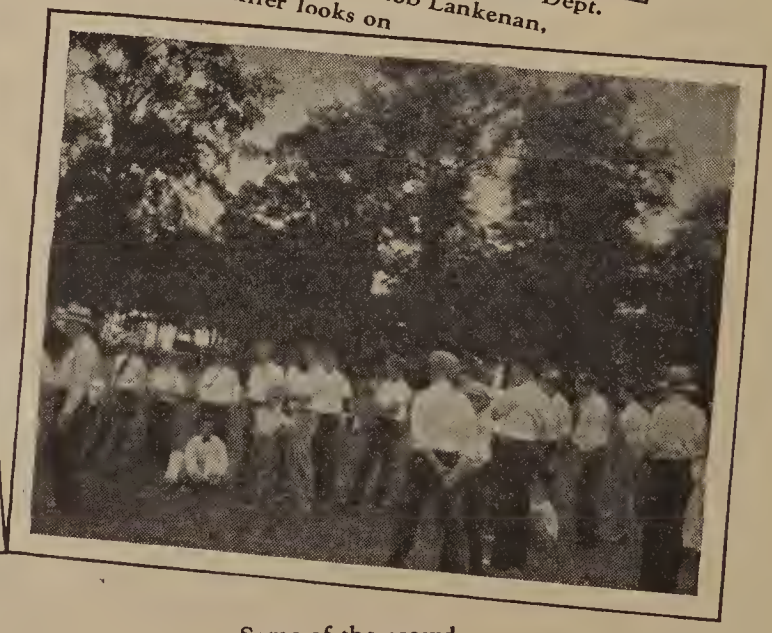
Hubert Cochran and Frank Geary



John Knott, foreman of the Punch Press Dept. playing mumbley peg with Rob Lankenan, while Robert Miller looks on



In the shade



Some of the crowd

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 July 17, 1931 No. 7

Hundreds Attend Farewell Party for Mr. Barnes

A CROWD estimated at from fifteen to eighteen hundred men and women employees of our Fort Wayne Works assembled in the G-E Club gymnasium on Thursday evening, June 11, to do honor to General Superintendent E. A. Barnes who gave up his official responsibilities and retired from active service on his 66th birthday, June 13. Appreciating the unusually wide acquaintance of Mr. Barnes among the employees the committee in charge arranged for the seating of the maximum number of people. That every seat was not taken on the night of the affair can only be accounted for in the general realization by employees that all who would wish to attend could not hope to find accommodations within the gymnasium.

The program for the evening consisted of a half-hour concert by the G-E Band, a number of short addresses by club representatives and associates of Mr. Barnes, and several musical numbers by Melba Fonner-Fenton, soprano; Portia Bohyer-Loos, pianist; and William Miller, violinist. Mr. Morganthaler acted as master of ceremonies and in a fitting way outlined the purpose of the meeting and introduced the various speakers.

In the talks of Mr. Evans, Mr. Matson and Mr. Crise the long service of Mr. Barnes was reviewed and his tact and understanding in handling many difficult situations was emphasized.

The several speakers representing Works clubs recounted in their remarks the growth and accomplishments of the various employee organizations under the favorable policies of the General Electric and in a happy way expressed to Mr. Barnes the appreciation of the clubs' membership for the encouragement, timely council and help he had given the club officers and members in carrying through many of their most ambitious undertakings.

When Dr. Charles A. Eaton, Member of Congress from New Jersey, and councillor on matters of industrial relations for our Incandescent Lamp Division at Cleveland, who was present, was called on for a few remarks, he said that he didn't have much use for speeches such as had just been made unless the sentiments expressed were absolutely sincere; the speakers on this occasion, however, were so obviously sincere that he wished to commend them on taking the occasion to tell Mr. Barnes frankly that his efforts in the employees' behalf were appreciated. Surely this meeting, he



Some of the Crowd at the Farewell Party for Mr. Barnes

said, is proof that there is nothing in the oft-repeated statement that a corporation has no soul.

In this time of serious unemployment Dr. Eaton said he wished all of us to know and to remember that the cares and anxieties of the men and women who work in the offices and shops are multiplied many times in the burdens that rest on the shoulders of the Works managers, the vice-presidents and Mr. Swope. He urged, therefore, that everyone stand solidly behind the management in all plans and efforts to relieve the difficult situation with which everyone is now faced. In closing Dr. Eaton congratulated Mr. Barnes on the high esteem he has commanded in his administration of the office of General Superintendent and complimented Mr. Matson on earning advancement to the position from which Mr. Barnes retires.

Following Dr. Eaton's remarks Irene Meyers, with fitting comment, presented Mr. Barnes a handsomely bound album containing expressions of good wishes from the various employee organizations and the autographs of practically everyone of the thousands of employees of our Fort Wayne and Decatur plants.

H. E. Hire, as president of the G-E Club, presented Mr. Barnes with a beautifully engraved testimonial which expressed the gratitude of club officers and members for his effective work in promoting erection of our fine recreation building and assured him that his personal interest in employees had inspired many on their way to greater attainments in both work and play.

Mr. Goll then presented the guest of honor one of the fine new models of General Electric refrigerators, a gift from all the employees of the Works and purchased by their individual contributions.

In a fitting response Mr. Barnes thanked the speakers for the many complimentary things they had said of him although he felt, he said, that much of the credit assigned to him should go to others who had taken hold of things and put them through to a successful conclusion. He then expressed his appreciation of the gifts that had been presented to him and said that nothing which might have been selected could have pleased him more. He assured the audience of his co-workers in the General Electric, that he would always retain his interest in their social, cultural and athletic activities and we might expect to see him often at the various clubs' events.

The formal program closed with the Band's playing "America" after which many in the audience took occasion to go forward and personally greet Mr. Barnes.

The speakers who appeared on the program were: Associates, J. H. Evans, J. W. Crise and C. S. Matson. Employee organization representatives: Herbert G. Siebold, Apprentice Alumni; Perry Shober, Band; Marie Blough, Elex Club; F. G. Duryee, Firemen; M. J. Harrigan, Foremen's Association; H. E. Hire, G-E Club; J. E. Hall, Quarter Century Club; and A. F. Vinson, Squares.

General Service Entertained At Party

THE office force of the General Service Division was delightfully entertained at the home of Mr. and Mrs. E. J. O'Neill, 2011 Kentucky Avenue, on the evening of June 4. This party was quite original in that the guests were entertained in the basement which had been especially arranged for the occasion. Bunco was played and prizes were awarded the winners. Several other contests and games were conducted which created much merriment. Special entertainment was provided by O. Blankenbaker and E. C. Huth. Dancing was also enjoyed by the guests. At a late hour delicious refreshments were served.



THE BAND AND SPEAKERS AT THE FAREWELL PARTY

Left to right—Standing: M. J. Harrigan, Marie Blough, J. W. Crise, F. G. Duryee, H. E. Hire, Irene Meyers, W. S. Goll, E. A. Barnes, P. C. Morganthaler, J. H. Evans, C. H. Matson, J. E. Hall, A. F. Vinson, and Herbert Siebold.

Suggestion Awards

A SUGGESTION which resulted in an improvement in the construction of arbors for certain winding machines used in the Fractional Horsepower Motor



L. J. Watt



Mark A. Hennigh

Division brought L. J. Watt, of Bldg. 17-4, a very nice award. Mr. Watt is employed in the department where these winding arbors are made. He observed that the guide track for the wire on certain position arbors for this winding machine were straight while on the arbors for other winding positions a more complicated design was used. Mr. Watt became convinced that straight guide tracks for wire might be used on all of the arbors for this machine. As a result of his suggestion the plan was tried out, the tests proved satisfactory, the arbors are more easily made and easier to repair and Mr. Watt received $40 in award.

Mark A. Hennigh, now an inspector in Bldg. 44 at our Broadway Plant, while working as an inspector previously at Winter Street suggested a holder be provided for the inspectors' gauges at Winter Street. The holder suggested proved to facilitate the inspectors' work and Mr. Hennigh has been granted $25 award.

C. E. Baxter of Decatur was given $15 award on his suggestion that stock for certain screw machine parts be plain instead of having chamfered ends.

C. F. Hambrock, Bldg. 19-5, suggested material for studs drawing V-3516269 be changed from brass to steel and he was given $15 award.

Melvin France, Bldg. 26-1, received $10 award on suggesting changes in the method of stripping leads on certain transformer coils in Bldg. 26-1.

Paul Reynolds, Decatur Plant, received $7.50 award on a change he suggested relative to stop pins drawing 646739.

C. A. Reiz, Bldg. 17-4, received $7.50 award on suggesting purchase of Mak-ur-own index tabs from Commercial Stationery Co.

J. A. Lamboley, Bldg. 4-6, on suggesting use of salvaged material for back plates at Decatur Plant received $7.50 award.

During the period from May 25 to June 20 inclusive, covered in this report, awards in the amount of $5 each were made to the following employees:

Bldg. 4—Garland Roby, H. Paul Koogle, Lloyd Garrison, Clarence Stoppenhagen, Lewis W. Clark, Louis J. Hinen, W. V. Gildea, Freeda Mee and Hilda Deck.

Bldg. 6—Joseph M. Jenkins.

Bldg. 17—W. L. Hofstetter, Ben Noll and Joe A. Henry.

Bldg. 19—Chalmer Steele, Fernando H. Crick, John Schimmele, Lena Bauer, E. W. Steele, Chester E. Langley, (2), A. Spenny, (2), Ross Strodel, B. J. Skevington, Wm. Sivits, Edward J. Cade, Waldemar Schmidt, Arthur McNamara and John Paxton.

Bldg. 20—Raymond Eastes, Louis D. Hopper, Elmer A. Kinney, R. H. Bailey, Clyde Mowery and Edward F. Girvin.

Bldg. 26—Cedric J. Reed, Wm. F. Fowler, Forest E. Grim, Avery Spayde, Paul B. Gressley, Luke Martin and Eldon L. Branden, John N. Smith, Bernard B. Byanskie, Merle Morkoetter, (2) and Irene Heckber.

Winter Street—Eldridge Gillum, G. B. Porsch, Jr., H. M. Russel, (2), John A. Ebert, Robert A. Bunyan, E. Davis, Louis Paluszak, Leo J. Neumann, Ralph Rhoades, Garland E. Hewitt, George J. Whitesel, Herman C. Fast, Roscoe O. Grover, J. W. Shovlin and Thurman Liechty.

Decatur—Pat Miller, True L. Miller, Dewey Gallogly, Herman Keller, Clarence W. Dellinger and Arthur Kelly.

Two Apprentices Graduate

OUR General Electric Apprentice School graduated two apprentices during June, one from the machinist-toolmaker course and the other from the draftsman course.

Harold Wherry, who is the recent graduate of the machinist-toolmaker course, is an Adams County boy, a graduate of the Coesse High School, class of 1928. He finished his apprentice course here on June 12.

Wade Tyler, the draftsman course graduate, was born in our neighboring town of Garrett, but had his grade and high school



Harold Wherry



Wade Tyler

training here in Fort Wayne, graduating from South Side High School in 1928. He finished his apprenticeship here on June 29 and is now working in the Fractional Horsepower Motor Dept. Bldg.

Apprentice Alumni Visit Detroit

ON JUNE 8, 68 members of the Apprentice Alumni Association including E. L. Simpson, of the General Superintendent's Dept., Walter Wolf, head of the Apprentice School, and O. L. Weitzman, of the Tool Division, went to Detroit where inspection was made of Ford's River Rouge plant, the Stout Airplane factory, the Burroughs Adding Machine Company's plant and a visit made to Ford's Old Time Village at Dearborn.

The trip was made by bus, private automobiles taking only those who were unable to secure accommodations on the double deck bus secured for the occasion. The first stop was at Dearborn where the thing of particular interest was Edison's original Menlo Park Laboratory. Here the members of the group were favored by a review of Mr. Edison's early work given by Francis Jehl, one of his early associates. This laboratory restored and preserved for posterity by Mr. Ford was the scene of Mr. Edison's work in the years 1876 to 1884.

At the Stout Airplane factory the things of special interest were



The Bus That Took the Apprentices to Detroit

the construction and manufacture of tri-motored planes.

At the River Rouge Plant three hours were spent in observing the ultra-modern plant layout, equipment and manufacturing methods. Lunch was served at the close of the tour in the administration building of the plant.

During the afternoon the Burroughs Adding Machine plant was visited and later James Jemnings, Lloyd Welbaum, Gordon Diver, John Lare and Edward Kammeyer took an airplane ride to view the city of Detroit from the air.

The members of the committee in charge of arrangements for the tour were Paul Weitzman, Henry Wittber, Harold Sherbondy, Gordon Diver and Karl Geller. They acknowledge with appreciation the assistance received from Mr. Barnes and Mr. Simpson of the Works and Mr. Snider of our G-E office at Detroit. The trip was a splendid one from every viewpoint and well worth the expense and time involved.

G-E Firemen Win Honors In Contests

THE General Electric firemen took a goodly share of the honors and prizes at the annual convention of the industrial and volunteer firemen held in our city the latter part of June. In the hose laying contest our men made a new record, 25.4 seconds for running 100 yards with the hose cart, attaching hose to fire plug, laying 200 feet of hose, breaking coupling and attaching nozzle all ready to throw water. The hose cart now used, in which the hose is laid in horizontal folds instead of being coiled on a reel as was common until a few years ago, makes possible a little better time but since our team clipped 0.4 second from the best previous record with this modern equipment their time for the run is an accomplishment in which they justly take pride.

In the running ladder contest our G-E firemen also took first place but their time 19 seconds, while good, does not quite equal the record time for this event.

The G-E teams in these contests were as follows: Hose laying, Dee Hamilton, captain; Lewis Barney, William Glenn, Theodore Grimme, Bruce Hamilton, Elmer Hamilton, Joe Henry, Claude Holmes, Clarence Heber, Eddie Kammeier, Merle Morkoetter, A. Mossburg, Carl Reynolds, Harry Spahr and Don Vorhees. Running ladder, Dee Hamilton, captain; Lewis Barney, Clarence Heber, Eddie Kammeier, Merle Morkoetter, Claude Holmes and Harry Spahr.

In the big parade of the second day of the convention, General Electric was declared to have the largest and also the best industrial fire company in the parade. At the business meeting which followed the annual banquet of the Association, Paul Grimme was chosen president of the Association for the ensuing year. F. G. Duryee, as secretary-treasurer, continues for the unexpired portion of his three-year term.

Hazel Newport Succeeds Mary Coles

HAZEL NEWPORT, Bldg. 26-1, who was elected to fill the position on the Board of Administrators of the G-E Employees Unemployment Pension Plan, made vacant by the resignation of Mary Coles, has been an employee of General Electric here since July 23, 1925 when she started in the Transformer Dept., Bldg. 26-2 as a winder. Miss Newport has done various kinds of work in the Transformer Division and for a short time was their personnel worker. She has been a loyal and active member of the Elex Club, serving as council representative for Elex in the Federation of Industrial Clubs in 1927-28, and on various Elex committees effectively helping in carrying out the various club activities. She is now acting as disbursement clerk for our Unemployment Pension Plan administrators, a work which has been taking the greater part of her time since she has been a member of the Unemployment Pension Plan Board.



Hazel Newport



August Haenel



Benedict Krock

Two Employees Retired

August H. Haenel

AUGUST H. HAENEL, who for a number of years has operated the hydraulic press in the Apparatus Dept., Bldg. 19-2, for forcing shafts into armatures and pressing commutators on to the shafts of direct-current machines, was granted an optional retirement pension effective June 6 after continuous service with the Company here of 22 years. Mr. Haenel who is now in his 70th year started work here about 35 years ago, but after several years in the Arc Lamp Dept. and apparatus machine shop, was forced by lack of work to find employment elsewhere. After some three years with the Home Telephone Company he was re-employed June 5, 1909, and worked in the apparatus machine shop under Charles Brenner for several years. Then for a time he worked in the paint shop with William Thain, but finally he was transferred back to the Apparatus Division and assigned to hydraulic operation with which he was familiar from former experience. Mr. Haenel now lives at 2127 Fox Ave. but thinks he may try to find a small place outside the city where

he and Mrs. Haenel may enjoy the quiet of country life.

Benedict C. Krock

Benedict C. Krock, Bldg. 19-4, who took ill in February and since has been unable to report for work, was retired from active service and granted disability relief effective May 7. Mr. Krock has been an employee of General Electric here since Aug. 21, 1899, when he started in on the job of winding watthour meter coils. When the first Type K meters were produced he was placed in the meter stock room. As long as watthour meters were manufactured here Mr. Krock worked in the stock room. Some three years ago he was made an inspector in the Meter Division, but his last work was in the Meter Dept., Bldg. 19-4 under Foreman J. F. Smith. He joined the G-E Quarter Century Club in 1925.



Elenore Plock



W. H. Weikart



Henry L. Lenz

Three New Quarter Century Club Members

ELENORE PLOCK, Bldg. 12-B, W. H. Weikart, Bldg. 4-6, and Henry Lenz, Bldg. 6 are new local members of the G-E Quarter Century Club.

Miss Plock, who is employed in the Insulation Division, became an employee of the Fort Wayne Electric Works May 10, 1906. When she started here this insulation work was done in Bldg. 2, there were only seven girls in the department and the work was done largely by hand. As the years passed and production increased many highly developed machines have been introduced in the insulation work and at times as many as 100 girls have been so employed. Miss Plock has been continuously employed in the Insulation Division and has moved with her department first to Bldg. 10, then to Bldg. 8 and finally to Bldg. 12. Her foreman, E. L. Price, who only recently qualified for the Quarter Century Club, has spent his entire service with the Company on insulation work.

W. H. Weikart started his service here May 22, 1906, as a clerk under J. B. Mills who was then superintendent of the Meter Dept. In 1910 he was transferred to the Supply Dept. Sales under T. W. Behan, but in 1916 when the sales departments of the Fort Wayne Electric Works were combined with those of the General Electric, Mr. Weikert's work came under the jurisdiction of the Schenectady Supply Dept. At present he has charge here of Control and Renewal Parts Sales representing the Industrial Dept. of Schenectady. His office is now on the sixth floor of Bldg. 4.

Henry Lenz, of the Shipping Dept., has been an employee of the Shipping Dept. for the whole of his service here, which started June 6, 1906. His first work was in packing watthour meters and small motors for shipment to the customers. John Kiess was then in general charge of the Shipping Dept. and Mr. Lenz after some little time became the leading workman in the packing of all the small equipment, the watthour meters, small motors and transformers. Since Mr. Grosjean has been head of the Shipping Dept., Mr. Lenz has been directing the loading of cars. His work, therefore, takes him to all the shipping platforms here at our main plant but he generally can be located some place around Bldg. 6. Mr. Lenz is the father of Earl Lenz one of the early graduates of our Apprentice School who is now employed in the Tool Making Dept., Bldg. 26-5.

Deaths

John F. Myers

JOHN F. MYERS, 32, a packer of the Shipping Dept. working in Bldg. 6, died at St. Joseph's Hospital June 11 after an absence from his work because of illness of only one week. Mr. Myers had been in the employ of the General Electric since Dec. 2, 1925, when he was engaged as an inspector in the Meter Division. However he was transferred to the Shipping Dept. on Dec. 21 of that year where he was continuously employed until his final illness. The funeral was held June 15 from St. Joseph's Catholic church with burial in the Catholic cemetery.

William Dreibelbiss

William Dreibelbiss, 46, an employee of the Apparatus Division, Bldg. 19-1, died of appendicitis at the Lutheran Hospital on June 17 after an illness of less than one week. A machinist by trade, Mr. Dreibelbiss had worked in our Meter Dept. here as early as 1903 and again in 1906 in the Fan Motor Dept. His continuous service, however, dates from May 13, 1909, when he was re-engaged for work in the Fan Motor Dept. Transfers since then have occasioned his working in the Arc Lamp, Brush-holder and Induction Motor Depts., his final assignment being to pole stacking work in the Apparatus Division. The funeral was held at the home, 507 Walnut St. on June 20, with burial in Lindenwood cemetery.

Richard Taylor

Richard Taylor, 51, clerk for Foreman C. O. Tuttle in Bldg. 22, died of pneumonia at St. Joseph's Hospital on June 24. Mr. Taylor started work here as a General Electric employee on June 25, 1918, and since then had been continuously employed in the position of clerk, serving in this capacity under Foremen Wright, Schwartzkopf and Tuttle in turn. The funeral for Mr. Taylor was

(Continued on page 15)

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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Vol. 15 July 17, 1931 No. 7

Work Safely

WORK safely is the answer L. C. Swager, our Works safety engineer, gives to the question of how to further reduce accidents, after a careful study of all the lost-time accidents that occurred at our Fort Wayne Works during the past year. Mr. Swager is convinced by the facts relative to the various accidents that the greatest opportunity for reduction is in getting employees to use greater caution.

Of all the cases in which accidents occurred during 1930 there was not a single case where the cause could be ascribed to the absence of a mechanical safeguard. In fact only 16 per cent of the accidents happened to employees who were operating machines. Twice as many accidents occurred while people were handling materials and quite a good percentage were due to carelessly bumping against objects and running into people. Eight per cent of the total number of accidents were from slipping and falling and 21 per cent from such miscellaneous causes as hitting the hand with a hammer, stepping on a nail, falling from a ladder, etc.

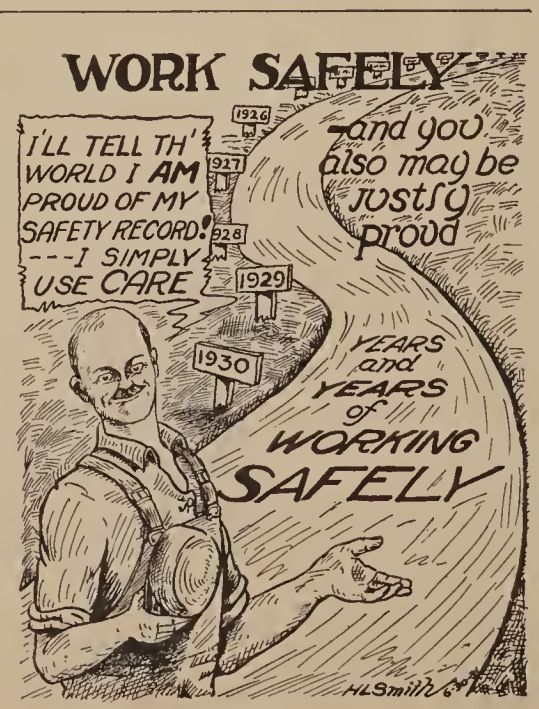
Working safely is something in which a good workman may take justifiable pride. A man who recently completed 35 years of service in our factory has been employed as a punch press operator during nearly the whole of this time. When interviewed by the WORKS NEWS he called attention to the fact that he possessed all the fingers on both hands. Now punch press operation does not have the danger that once was involved but our new Quarter Century Club member was on such work before safeguarding of machines was seriously undertaken. Personal caution was then the only way for an operator to save his hands. Even when the first safeguards were applied it called for cooperation on the part of the machine operators.

Safe practices, personal acceptance of responsibility for one's acts, a realization of potential dangers that cannot be guarded against by mechanical means, a vigilance never permitted to relax will do much to bring one safely through to the end of the day. And surely in this training and accomplishment there is as much to be proud of as in a fine piece of work which is the product of one's skill in the handling of tools. The number of accidents among ourselves with due personal caution can be reduced and we shall do well to heed this obvious way toward greatest progress which Mr. Swager points out.

On the Top—A Million Times

In connection with the completion of the Millionth General Electric Refrigerator, J. O. Morris, president of Page-Morris, Incorporated, G-E refrigerator distributors, writes:

"Chris Steenstrup's slogan is 'We put it on the top, for there is where it belongs' and now some seventy-odd distributors and over 20,000 salesmen reply, 'Yes, Chris, we also put it on the top, for there is where it belongs!'"



On the Cover

WILLIAM RAIDY of the Insulation Division, whose picture appears on the cover of this issue of the WORKS NEWS, has longer continuous service with the General Electric than any other employee of the Fort Wayne Works. Mr. Raidy according to the employment records began work here on Sept. 16, 1887. By July 17, therefore, he will have completed 43 years and 10 months as a General Electric employee. However, Mr. Raidy is not the oldest man employed at our Works. In fact he is only 62 and scarcely seems that age.

In 1927, you may recall, Mr. Raidy's co-workers in the Mica and Insulation Dept. honored him with a dinner in celebration of his completion of 40 years' service. Fifty-five of his friends were present on that occasion which shows that he is held in high esteem by those with whom he works. Some one at that time brought up the fact that Mr. Raidy was a baseball player in his younger days. We understand that baseball is still his favorite game although of course he now must take his baseball with the other fans from the bleachers on the side lines.

G-E Squares Club

THE Squares held their first summer outing, a swimming party and wiener bake, at Tri Lakes on June 25, and of course the occasion was brightened by the presence of many charming young ladies.

After a sweltering day in the city most of the crowd headed for the

(*Continued on page 15*)

Virginia Electric and Power Company Receives Charles A. Coffin Medal

Second Time in Four Years this Progressive Company has Received Award

THE Charles A. Coffin Medal, awarded to that company which during 1930 made a distinguished contribution to the development of electric light and power for the convenience of the public and the benefit of the industry, was granted this year to the Virginia Electric and Power Co. The award was made by the Charles A. Coffin Prize Committee of the National Electric Light Association, W. A. Jones, chairman, president of N.E.L.A.; P. S. Arkwright, chairman of Public Policy Committee of N.E.L.A. and Samuel W. Stratton, chairman of the Corporation, Massachusetts Institute of Technology. The presentation took place at the annual N.E.L.A. convention at Atlantic City last month.

The Virginia Electric and Power Company's record last year is the climax of five years of rapid though sound expansion, which has benefited the public, the employees and the company, and, by its example, the entire traction industry. Through its expansion into new territory, its increasingly efficient and reliable service, and its fair adjustment of rates, it has completely won the confidence of the public. As a result of its sincere and active interest in the welfare of its employees, it has created a closely knit and loyal organization. The confidence and good will of the public was strikingly illustrated when four separate stock offerings amounting to $7,000,000 were made on the customer ownership plan. Each was over-subscribed on the first day of the sale.

The achievements of the Virginia Electric and Power Company have previously been recognized by the Charles A. Coffin Foundation. In 1927 its street railway and transportation department won the Charles A. Coffin Medal for distinguished contribution to that field of the electrical industry.

This company furnishes electric light and power service to over 100 communities in eastern Virginia and northeastern North Carolina. It serves the rich industrial and tobacco districts in and around Richmond and Petersburg, and the shipping and manufacturing districts around Norfolk, one of the important Atlantic seaports. But the greater part of its territory is rural. And it is into this territory that it has made its greatest expansion. The Carolina Division of the company, for example, which in 1926 served only two towns, is now spread over 15 counties and serves 53,000 customers in about 50 towns and communities. The total number of rural customers increased 40 per cent during the last year, and the total of all customers, five per cent.

As a result of this increase in the number of customers, together with many engineering and administrative economies and special promotional domestic rates, the average consumption of energy was increased 15 per cent. Thus, in the face of depressed business conditions and in spite of lower rates for its service, and increases in the cost of coal, the company obtained a half million dollars worth of new business with an increase in cost of but half that sum. This is an excellent indication of its financial soundness.

The increase in the number of customers, and the very attractive promotional rates which the company was able to offer through many engineering and administra-

(Continued on page 2)

Former Apprentice Repays Loan And——$30 Additional

LAST month, W. W. Trench, secretary of the Company, and secretary of the Education Committee of the Company, received the following letter from Martin Santinelli, an Erie Works graduate apprentice, who in 1929 received a loan from the General Electric Educational Loan Fund to help him finish his course at Pratt Institute.

"Inclosed is a check for $180—$150 of which is the balance of my loan of the $300 I borrowed from the Student Loan of the General Electric Co.

"The additional $30 is not interest, nor any indication of my appreciation for your kindness in extending me a loan—for I think the good-will you have created by your action cannot be repaid—but it may give a little help to others who need assistance.

"I am still working for the Goodyear Zeppelin Corporation. Due to the fact that most of the design work for the Zeppelin is finished and a gradual lay-off of the design force has been followed, I have been asked to return to the Goodyear Tire Co. The work will be somewhat similar to the Foreman Training Course of the General Electric Company. Although this new work is not so clean as the design work I have been doing, and will mean donning a pair of overalls, I am looking forward to the change with a great deal of enthusiasm, for it will give me the opportunity to acquire invaluable practical experience—something no one can take from me.

"Although my loan has been repaid I want you to feel that I continue to have an interest in the General Electric Co. and the work of the Student Loan. I wish you would extend my sincere appreciation to those who have been instrumental in making my loan possible. I wish to thank you also and with best wishes to the work of the General Electric Loan Fund, I am,

"Very gratefully yours,
(Signed) MARTIN SANTINELLI."

(Continued on page 10)

tive economies, raised the average consumption of electricity by over 15 per cent. When it is considered that these gains were made during a year of depressed business conditions, and at a time when an unusual drought reduced hydro-electric generating capacity to about half, and when coal prices were increasing, the soundness of the policies which direct the company is evident.

The policies which have directed the relations between the management and the employees have been no less sound. In the first place, as a result of five years of work in small study groups, every employee knows not only his own job, but has an understanding of the company, its activities and its policies. Several clubs and classes have been organized to meet the varied interests of all the approximately 4000 employees. The company also encourages its employees to improve themselves through courses at the local university, extension schools, night schools, etc., and pays the tuition for such courses.

The new Employees Benefit Association of the company provides a free medical staff for employees, nursing service, sick benefit, hospital attention, and group insurance. Under the terms of the Charles A. Coffin Foundation, the medal to the company winning the award is accompanied by a check for $1000 to be placed in the treasury of the company's mutual benefit association. Thus the employees of the Virginia Electric and Power Company will benefit by the award.

Henry Ford Accepts Millionth G-E Refrigerator—With Thanks

To be Placed in Dearborn Museum

PERMANENT exhibits of the social and industrial progress of the nation, in Henry Ford's museum at Dearborn, the Edison Institute of Technology, today include a gold plated G-E refrigerator, the millionth manufactured by our Company.

The refrigerator was presented to Mr. Ford Saturday night, June 20, during a nation-wide radio program. The presentation was made by President Gerard Swope in a short talk from his home, "The Croft," in Ossining, New York.

Mr. Swope, in his radio address, paid a stirring tribute to Mr. Ford and his achievements and to Thomas A. Edison. The address in part follows:

"I am here this evening to pay tribute to Mr. Ford as the founder and acknowledged leader in mass production.

"For 15 years our scientists and engineers labored to perfect an electric refrigerator. At last they were certain that they had a refrigerator which would operate economically and give the user long, dependable and highly satisfactory service.

"To make the result of these years of continued studies and experiments available to the public at a reasonable cost, it was necessary to plan production on a large scale, and consequently although it took 15 years to produce the first General Electric refrigerator, it has taken only four years to produce 1,000,000. Except for minor refinements, the General Electric refrigerator is the same today as it was four years ago. Experience has developed no fault in the basic design or workmanship.

"The millionth General Electric refrigerator has been finished in gold to distinguish it from all other refrigerators—and so, Mr. Ford, please accept this golden, the one millionth General Electric refrigerator to be placed in the Edison Institute of Technology at Dearborn, Michigan. We hope that you will accept it as a small token of our appreciation of *two* great friends—yourself and Thomas Alva Edison.

"The General Electric Company and the electrical industry is greatly indebted to Thomas Edison and similarly all industry throughout the world is greatly indebted to you."

The motor magnate's acceptance, voiced to the millions of radio listeners in all parts of the country, was made from the museum in Dearborn. It was his formal radio debut. Mr. Ford's acceptance, the first time he has said more than a few words over the radio, was as follows:

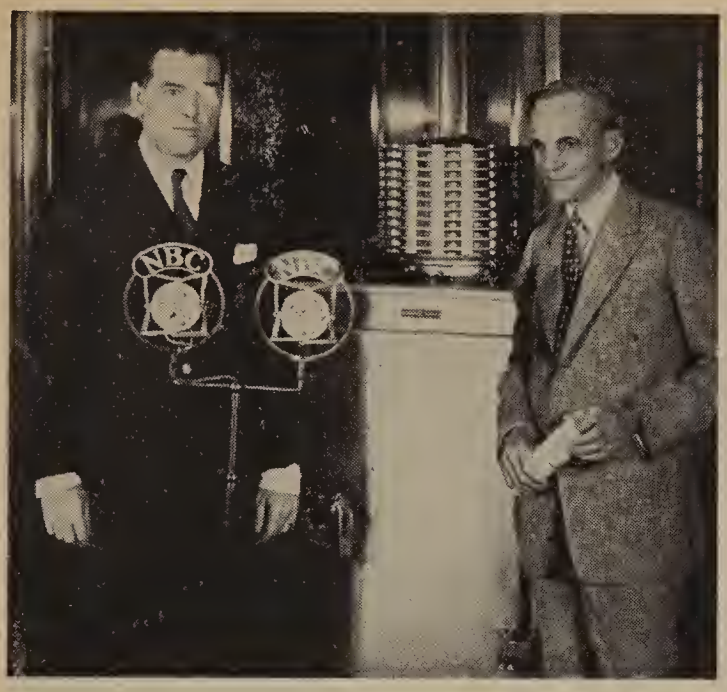
"Thank you, Mr. Swope. I accept this millionth General Electric refrigerator with pleasure.

"When the public buys and uses a million of any mechanical article, that article must have quality and it must have given service—that goes without saying.

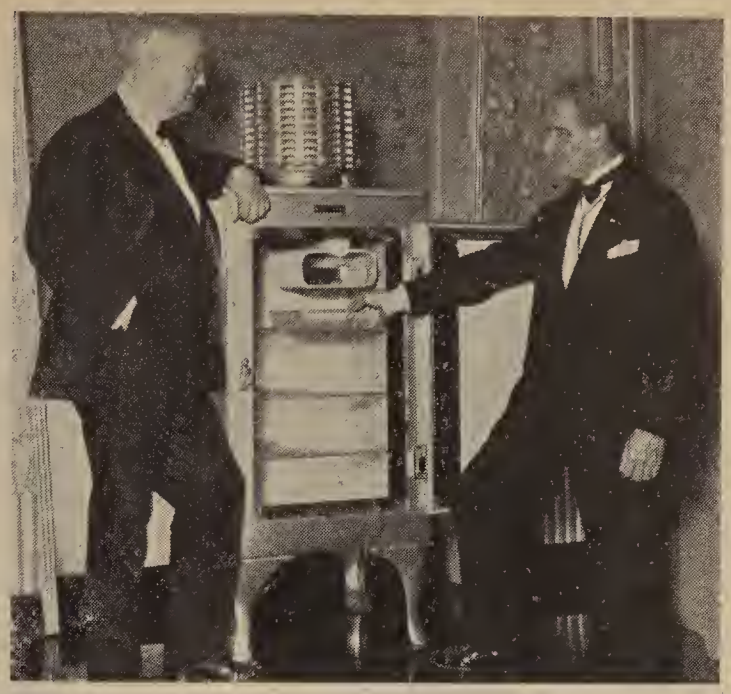
"The reason I respect this General Electric refrigerator is that it has been so thoroughly worked out. Its makers apparently have absolute confidence in their work, for they actually seal the working unit in steel. It was clear that they did not



The Edison Institute of Technology at Dearborn, a Replica of Independence Hall



The Millionth G-E Refrigerator at Dearborn. Floyd Gibbons and Henry Ford Before the Microphone



Arthur Brisbane, Editor of the *New York Journal*; and Gerard Swope, President of the General Electric Company, Examine the Millionth Refrigerator

expect to have any service trouble—else they would not have sealed the unit so tightly, and make it so hard to get at. That showed a confidence based on hard work, long experiment and severe testing.

"As a manufacturer, I respect that kind of work. It made the first million refrigerators—it will enable you to make more millions of them.

"Electric refrigeration is a great service to humanity. It helps to maintain physical health by keeping food in good condition, and it prevents economic waste by preserving food until it is used.

"We shall place this millionth refrigerator in our Edison Institute of Technology for the use of our students at Dearborn. There is something fitting in thus connecting the names of Edison and the General Electric, for the General Electric Company itself is an outgrowth of Mr. Edison's work."

The scene of the acceptance in the museum at Dearborn was described to the radio audience by Floyd Gibbons, internationally known radio personage, author and war correspondent, who was brought to Detroit from New York for that particular purpose. In addition to Gibbons there were many leading industrial executives present.

Near Dearborn, is Greenfield, Henry Ford's exhibition village. It is here that the old Mohawk River camp of the late Charles P. Steinmetz has been placed.

The Empire State Building, as a Lightning Rod, Protects Much of Manhattan

THE High Voltage Laboratories at the Pittsfield Works have for years been working on the problem of protection against lightning, and have made many interesting discoveries. With their man-made lightning equipment, which they have developed to produce 5,000,000-volt bolts, they have made tests on transmission lines and models of houses, skyscrapers and structures of all kinds.

One of their most recent tests was to determine the effect of lightning on the Empire State Building in New York City. Of course, it was out of the question to bring the Empire State Building up to the laboratories, so they experimented on a model of the building and its surrounding structures.

They discovered that hundreds of Manhattan buildings have nothing to fear from lightning, now that the Empire State Building reaches nearly a quarter of a mile into the sky. And, being well grounded by its extensive steel work, neither has the Empire Building itself anything to fear.

Bolt after bolt of the 5,000,000-volt man-made lightning was hurled earthward, and each time the pinnacle of the Empire State Building was struck. No damage was done, however, since the model was well grounded just as is the original building.

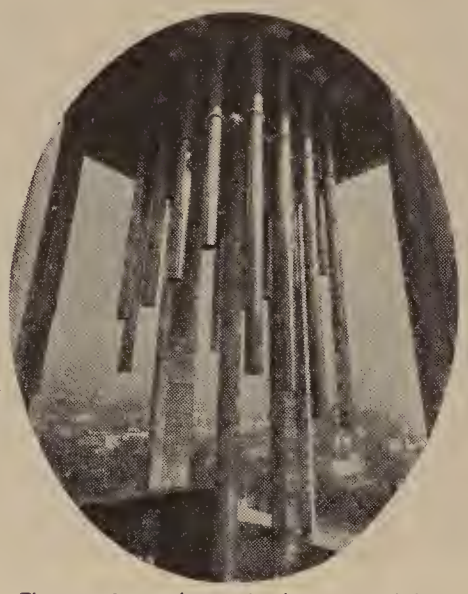
The area of protection is cone-shaped, such as would be included

(*Continued on page 12*)



A Model of the Empire State Building Struck by a Bolt of 5,000,000-volt Artificial Lightning

Here and There with the G-E Cameraman



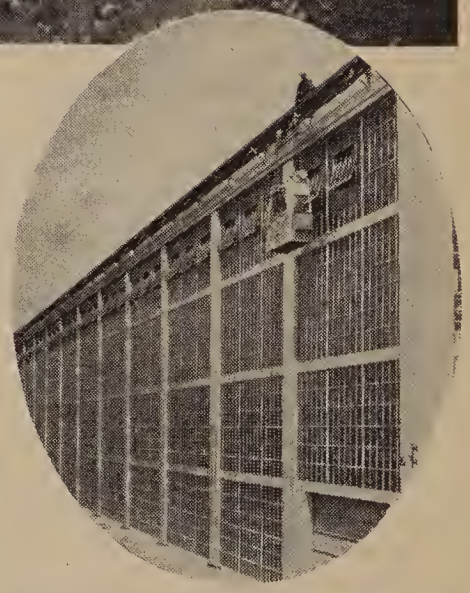
These unique chimes in the tower of the Blessed Sacrament Church, Los Angeles, are controlled by G-E equipment



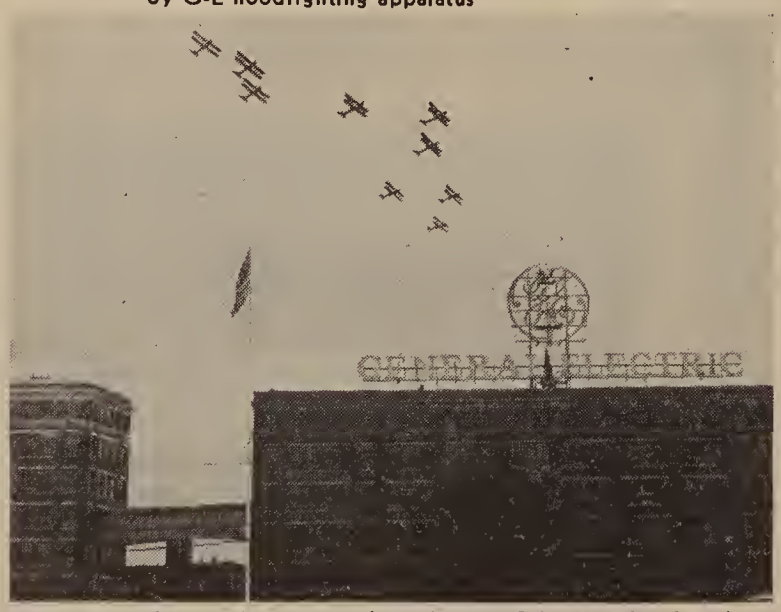
The excited crowd at the Schmeling-Stribling clash awaiting the appearance of the fighters. Powerful G-E floodlights turned the Cleveland Municipal Stadium into a huge bowl of light



A South American service station. One of the stations of the Atlantic Refining Company of Brazil illuminated by G-E floodlighting apparatus



A view of the south side of the new million dollar transformer shop located at the G-E Pittsfield Works, showing the monorail and car used in washing the building's 30,000 panes of glass



A group of army observation planes leaving Schenectady after the visit of the flyers to the G-E Aeronautics Department



Here is one of several G-E refrigerators that withstood the fire and earthquake at Napier, New Zealand

Around the World with General Electric

New Brunswick N. J.

The New Jersey Agricultural College has opened a new offensive on the peach and coddling moths, who lay their eggs on peach and apple trees. Experiments prove that these moths will not lay eggs during daylight or when the temperature falls below 60 degrees Fahrenheit. It was, therefore, decided to combat these pests by floodlighting the experimental orchards, turning the light off and on by means of photoelectric relays as darkness or light or temperature dictate. G-E floodlighting and photoelectric equipment is being installed.

Brazil

An order was received recently for two G-E mining locomotives to be used in a gold mine in the state of Minaes Geraes, Brazil. The locomotives will be used for handling ore from the tunnel headings to the elevator shaft. This mine is claimed to be the deepest gold mine in the world, having reached a depth of about 6600 feet. The order serves to recall an incident some time ago at Rio de Janeiro. One of the G-E mining locomotives was being lifted by the hoist in the main shaft and the cable broke, causing the locomotive to fall from top to bottom of the shaft. The demolition was almost complete but one motor was dug out of the debris and found capable of running. It was removed from the mine and set up as an exhibition.

Pittsfield

Miniature trolley cars carrying tanks of hot and cold water and suspended from a rail which encircles the entire building, will be used by window washers in keeping clean the 30,000 panes of glass in the all-welded steel tank shop at the G-E Pittsfield Works. The cars, in addition to being capable of travelling around the building, may be lowered up and down by chain falls. By means of a geared wheel and ratchet the cars are manually propelled around the building, a distance of more than a quarter of a mile.

India

The government of the Punjab, India, public works department, through its hydro-electric branch, has started work on the construction of the Uhl River project. This will feature G-E non-resonating transformers, and will represent the first large installation of this kind of construction in India.

* * *

The first real attempt to floodlight structures in Calcutta, India, has resulted in an order for G-E floodlights. These lights, equipped with 1000-watt lamps, will be used to illuminate the buildings of the Calcutta Electric Supply Corporation. Auxiliaries will be fitted with 200-watt lamps. This installation is meant also to serve as a demonstration of street-lighting fittings.

Chile

At the Club de la Union in Santiago, Chile, a group of former G-E test men recently held a social reunion. The occasion was enlivened by many a recital of incidents that showed how testing was conducted from recent times back to Lynn days of 1889. Former G-E test men in Santiago now number approximately 20, with one or two others whose early training at the Schenectady Works gives them essentially the same footing.

Cleveland

When Max Schmeling and W. L. "Young" Stribling recently met in their 15-round heavyweight title combat in Cleveland's $2,500,000 Municipal Stadium, the thousands of excited spectators found themselves sitting in a brightly lighted bowl, more than 20 times as light as the usual white way street at night. Mounted 110 feet above the ground, 250 G-E floodlighting projectors illuminated the entire stadium to an intensity of 20 foot candles. "Young" Stribling in preparing for this fight, trained in a ring equipped with G-E dual-purpose lighting which combines sunlamps with floodlighting projectors.

Argentina

W. L. Kelley, a New Englander who operates a ranch in Argentina some distance from Buenos Aires, has his acres surrounded with a fence, the wire for which is used for both telephonic communication with the main house, and as a means of hearing radio programs at any point along the fence, no matter how far from the house. He installed the necessary equipment in his spare time and delights in taking visitors a couple of miles down the road along the fence and giving them the program from WGY, the G-E broadcasting station at Schenectady—on the open prairie. Radio reception at any point along the fence requires only an ordinary telephone receiver. No batteries are used. One of Mr. Kelley's visitors declared that the WGY program came in louder under these circumstances than it did in his New Jersey home.

* * *

A new post office building, recently erected in Buenos Aires, contains spacious halls and corridors of architectural beauty and artistic design. Highly modern equipment in the way of conveyor systems for handling the great mass of incoming and outgoing mail has been installed. The complete mechanical installation is driven by G-E electrical equipment.

* * *

In the past, Argentina has derived the major part of her cement through importation from other countries. Now, however, she has taken definite steps to produce enough cement for use within her own borders. In the mountain spurs of the Tandil range, the Cordoba Sierras and the Andean foothills, are deposits of the necessary stone, and while the base material of European cement has features of admitted superiority, the expanding program of road construction will provide a bulk market for the Argentina product. An order for G-E equipment for a new 200-ton cement mill of Verzini, Garlot, and Company has been secured.

The S. S. "President Hoover" Completes Trials

New Turbine-Electric Liner Equipped by General Electric Exceeds Guaranteed Speed by 1.7 Knots

IT WAS over 30 years ago that Captain Robert Dollar purchased his first steamer, *Newsboy*. This vessel was 120 feet long, had a gross tonnage of 208 tons, carried a crew of 11 men and made five and one-half to six knots. Up and down the Pacific coast this little ship plied, steaming in and out of the lumber ports, until 1906 when she was dismantled near Eureka, California. Last December, the *President Hoover*, newest addition to the Dollar lines slid down the ways at Newport News. The last rivet to be set in this $8,000,000 turbine-electric liner was fashioned from the ship's bell of the *Newsboy*.

For months before the launching of the *President Hoover*, captains of the Dollar Round-the-World vessels, had been collecting water from the various seas along their routes. From the Atlantic, the Pacific, the China Sea, the Indian Ocean, the Arabian Sea, the Red Sea, and the Mediterranean Sea, homing Dollar liners brought samples of water. When Mrs. Herbert Hoover christened the new ship after her husband, she smashed a bottle containing a mixture of these waters on the steel prow of the boat.

During the winter months of 1930-31, the builders hurried to prepare the newly christened ship for her trials which were held recently off the coast of Maine. These trials included various standardization speed runs over a measured mile course, full speed reversal from full speed ahead, shifting the rudder from "hard over" to "hard over" at full speed. The G-E electric equipment, with which the boat is furnished, performed perfectly under the exacting tests. A maximum speed of 22.2 knots was reached, exceeding the guaranteed speed by 1.7 knots.

This new Dollar liner is a steel-twin-screw vessel, with nine decks, slight raked stem and semi-cruiser stern, and two stacks and masts. Her length is 653 feet, depth 52 feet, beam 81 feet, displacement tonnage 33,800, a total passenger capacity of 1260 and accommodations for a crew of 300 men.

The *President Hoover* is truly a de luxe hotel at sea. It has elevators, swimming pools, sand beach, gymnasium, children's playroom, soda fountain, veranda cafe, smoking rooms, library, private dining rooms, tea rooms, music and dance salons, talking picture theater, shopping lobby, broadcasting system, stock exchange rooms, beauty parlor, automobile garage, and telephones in every room.

A feature which will add to the safety of the vessel is that all water-tight compartment doors throughout the ship will be electrically controlled direct from the bridge. This means that in event of accident of any kind, all water-tight doors can be closed within 15 to 30 seconds. Electrically operated boat davits are employed insuring greater safety in launching boats.

The power plant on the *President Hoover* consists of two 11,000-shaft-horsepower G-E turbines running at 2500 rpm. and driving two alternating-current G-E generators, each having a continuous rating of 10,100 kilowatts, three-phase, 4800 volts. These generators supply electricity for driving two 13,250-horsepower, synchronous-induction G-E motors, each connected to one of the two propeller shafts turning at the rate of 133 rpm. Excitation and power for operating auxiliaries and lighting are furnished by four 500-kilowatt, 240-volt, compound-wound, direct-current G-E generators of the geared type.

On July 27, the *President Hoover* will leave New York on her maiden trip to China and return via the Panama Canal. She will not only be the first large passenger vessel on that run to go to China from New York and return, but will also be the first American-built, electrically propelled ship to cross the Pacific Ocean.



DURING THE TRIAL

Left to right: Mrs Harold J. Dollar, Captain Roger Williams, J. Harold Dollar, Mrs. Keith Ferguson and Captain C. A. McAllister

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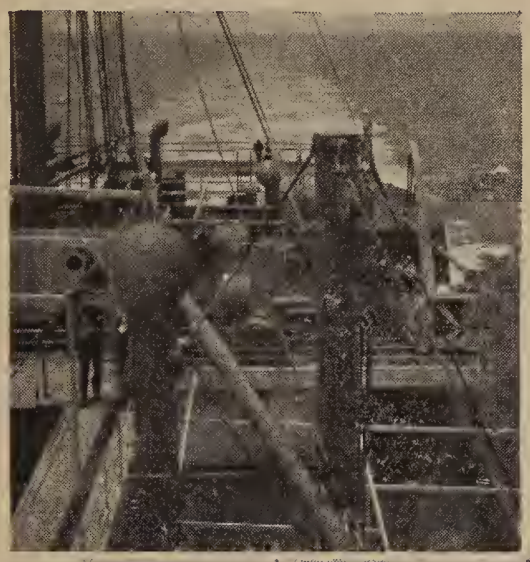
The "Lighting Director" in The Earl Carroll Theater

THE first application in New York City of electron tube control of theater lighting will be made in the new Earl Carroll Theater at Ninth Avenue and Fiftieth Street, to be opened in August. The control, especially designed for the new theater by General Electric, eliminates the bulky back-stage switchboard and puts instant and accurate control of all lighting at the finger tips of a "lighting director" in front of the curtain.

Six seats have been removed from the center of the first and sec-

(*Continued on page 11*)

Photos Taken During the Trial Run of the S.S. "President Hoover"



Looking aft from the bridge of the "President Hoover"



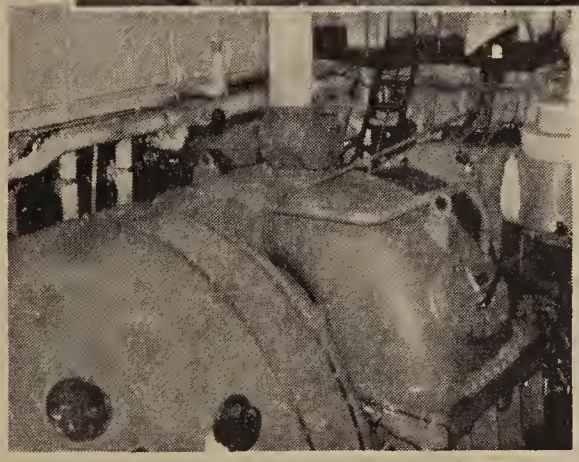
G-E motors operate these winches



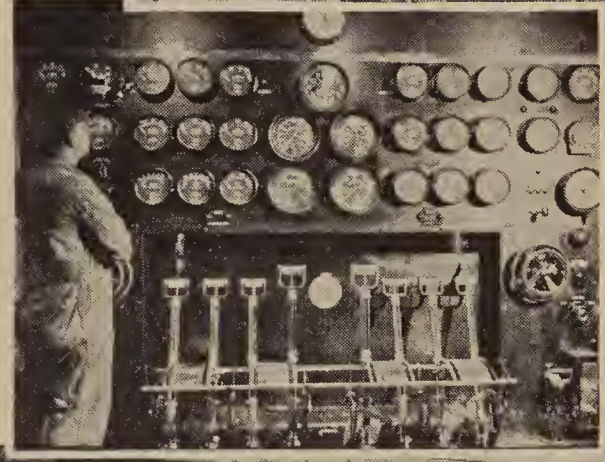
Blowers driven by G-E motors



Another view looking aft



These G-E electric turbine generator sets push the new liner through the water at a maximum speed of 21 1-2 knots



The main control switchboard



"Rudder hard over." The liner makes a sharp turn



A group of G-E men aboard for the trials. Left to right—Back row: A. Kennedy, Jr., J. R. Heineman, H. T. McBride, L. D. Anscombe, W. L. R. Emmet, J. M. Crawford, C. F. Scott, Louis Rask, R. W. Wieseman, H. D. Plenge, W. B. Cordes, J. T. Breymaier. Front row: P. H. Knowlton, A. W. Sawyers, H. J. Doell, W. N. Landis, D. L. Burkey, E. H. Van Brunt, W. G. Gardiner, C. O. Dailey, H. C. Rextrew, A. Bell. Missing from picture: Eskil Berg, B. S. Havens.

The Old Schoolhouse Burned Down

So Owen D. Young Helped His Home Town Neighbors Build a Model Country School Which Last Month Graduated Its First Class

THE little old red schoolhouse which many look back at with sentimental reverence may have been a great place to play hooky from, but as an educational institution it was in most cases a decided flop. In the first place, the teachers were so poorly paid and housed that practically only the poorly prepared and ill-fitted teachers, who were not able to make out in the city schools, could be obtained. The crowded little one-room buildings had little or no educational equipment. And many students had to walk many miles to school along poorly paved roads.

The coming of a new kind of rural education, however, was prominently marked last month when the school, which Owen D. Young helped his home town neighbors at Van Hornesville, N. Y., to build in place of the little one-room school that burned down, graduated its first class. It was a great occasion. Neighbors for miles around turned out to hear Governor Roosevelt and Mr. Young address the graduates.

Mr. Young expressed his hope that soon every rural community might share in the advantages of an attractive, commodious, well-equipped school, made possible by the consolidation of many individual school districts. In place of a succession of country school districts, each supporting a little schoolhouse of two or three rooms, or perhaps only a single room, poorly equipped, stove-heated, weather-worn and usage-worn, there is now in many rural territories fairly spacious buildings of trim stone or brick, far better equipped, more modern and more attractive in atmosphere inside and out.

It may accommodate seventy, eighty, or a hundred pupils instead of thirty or forty. It has half a dozen class-rooms and may take pupils through, and even beyond, the grades, instead of sending them far from home for their high school training. Its teachers are more capable, more conscientious and more contented. Its playground is ample and provided with at least a few of those "play tools" which have become the heritage of the twentieth-century youngster. Instead of drawing from a single little district it draws from six or eight of the old type of district—and modern school busses traveling on modern roads with plow service in the winter convey the pupils from their homes to the school house and back again.

The legislature of New York has enacted a measure which permits school districts to combine the annual state appropriations—$1500 in each case—should they desire to unite in the support of a centralized school. This is what has occurred at Van Hornesville, where some 15 districts have joined together, producing a revenue of $22,000, plus what each district raises by its school tax. In New York state about 135 of these enlarged, or consolidated, school districts are now set up, each with its centralized school. Fifty of them were established within the last year. Bus transportation is a paramount factor. At Van Hornesville, children come at present from as far as four miles away. A further enlargement of the centralized district now pending will mean that pupils will come from points as far distant as seven miles.

Two major problems have attended the creation of the enlarged school district with all its undisputed educational advantages. In the case of Van Hornesville both of these problems have been effectively solved by the philanthropy of Owen D. Young. The first of these is the expense of a suitable school building and the second is the maintenance of living conditions comfortable enough to attract a corps of well trained teachers. Mr. Young recently asked the New York state board of education what it would cost to erect a thoroughly modern school building large enough to accommodate 150 pupils—the number at present enrolled at Van Hornes-



Owen D. Young served as "Rocking Chair Consultant" During the Construction of This School



The Swimming Pool and Playground Behind the School Building

ville. He was told it would mean an outlay of $200,000.

That sum, he found, is more than one-third of the total assessed property valuation of the town of Stark, in which Van Hornesville is located. Such a burden as that, if placed upon the taxpayers, would be onerous indeed; and some such situation has faced each of these 135 centralized school districts in New York state. Naturally the consequent tendency is to put up buildings which, while they are more nearly within the means of the community to finance, are not adequate for the school needs of the districts. They perhaps fall short of the desired standard in varying degree but they fall short none the less.

That is what Van Hornesville was able entirely to avoid because it is the birthplace of a famous "former plow-boy"—the present chairman of the board of the General Electric Company. To Mr. Young, Van Hornesville is a shrine; and when the old schoolhouse burned—" a one-room, old-fashioned affair with an ancient, rusty stove in the center"— Mr. Young regarded the event as his "chance."

"I decided to give the district a new schoolhouse," he said, his eyes twinkling. "Not a replica of the one they had before, but one which would be the best that skill and taste could devise; which would teach the children to live successfully and happily in a modern world. I wanted to give them the school advantages that I had never had."

And so the day came when an old cow-barn was torn down—the village always called it the "one bad spot in town"—and a band of sturdy villagers began the building of the new school. It is warp and woof a "home town" achievement. Not only was its financing contributed by a "home-town boy," but the labor was done by home-town workers. The bronze tablet in the entrance hall of the school reveals this and adds that the building was constructed "without the services of a contractor, a superintendent or a boss." The tablet also reveals a new breed of functionary in the lines which read: "Abram Tilyou and Owen D. Young, rocking chair consultants." This was the official relation to the project of Mr. Young and his old friend and neighbor who died last winter; although any of the villagers will tell you that Mr. Young more than once got up from the rocking chair, went over to the scene of operations and contributed a very definite quota of manual work. Finally, the handsome, one-story structure patterned after the pure Colonial style of architecture, was erected with "home-town" material—field stone in soft greys and browns from the surrounding hills.



The class of 1931 graduates. A view of the first graduation exercises at the Van Hornesville School, showing Franklin Roosevelt, Governor of New York State, addressing the graduates. At the left of the Governor is Owen D. Young.

Its pleasant, well lighted class-rooms are supplied with radio receivers and a public address system. Two of these class-rooms can be made into a fair-sized auditorium and are served with movie outfits for both silent and sound pictures. There is a workshop and a compact chemical laboratory. Outside is a modern playground and swimming pool.

The organization of this school enables pupils to enter as kindergarten children and go right along through grade and high school courses until they are graduated, as the eight who just received their diplomas have done. And it is regarded as significant that every one of those eight desires to study further at higher institutions. Three of them will enter St. Lawrence University—from which Owen D. Young himself graduated—and the other five will go to the state normal school at Oneonta, N. Y. Not often does the graduating class of a country school move on one hundred per cent to normal school or college. Back in the days when Owen Young was obtaining what he has quaintly termed a "cheese-box education" at East Springfield (N. Y.) Academy, he was, as he has said, the only boy in the neighborhood whose parents wanted him to go on to the higher schools. And Abe Tilyou was the only person in town who failed to tell Owen Young's parents that "no good ever comes of sending a boy to the city."

After he had had the fun—as it was to him—of providing a centralized rural school that is as modern as any city school, Owen D. Young made provision for the teaching staff. He wanted high class teachers—the principal, Maurice Hammond, is a college graduate—and he knew the aversion which such persons would naturally feel toward boarding in farm houses under living conditions that would appear to them more or less primitive.

This he considered, and rightly, to be the second major problem which every country community must solve in order to insure the complete success of its consolidated rural school.

He solved it for Van Hornesville in the same manner in which he overcame the difficulty of an adequate school building. Directly across the road from the school he built an attractive abode for the teachers, matching the school building in its main architectural aspects, comprising a central section for the principal and his family and wings at each end which contain apartments for the teachers. The result is a pleasing environment for the pedagogue and his faculty—a fine educational plant, a delightful home, and the assurance of broad-minded support from the community even down to a free rein in the selection of the teachers.

The new Van Hornesville school was intended to provide for a reasonable number of individual districts which might want to send their boys and girls. Orginally it was to accommodate 40 or 50 pupils. But close acquaintance with the school and its work—arising largely from the "first-run" movie shows held in the school auditorium by the parent-teachers' association—has accelerated the pace of consolidation. Instead of six or eight of the original districts the school now represents 15 districts and is overcrowded with an enrollment of 158. It is to be enlarged this year until it can take care of 400 pupils and will offer, in addition to its present curriculum, a full agricultural course.

The consolidated rural school is a tremendous forward step in the educational progress of America. If it can enlist the interest of native sons of means who will feel toward this ideal within their own home towns the same zest that Owen D. Young felt toward it in his, then a remarkably fine constructive enterprise will be assured. Mr. Young has expressed himself as hopeful that such an attitude will be aroused. He is ready to assure men interested in such work that it is not only worthy of their thought but a means of happiness in their lives. For Mr. Young believes that rural life in the twentieth century is destined to be something truly exhilirating. Beyond that, he considers that the rural school should come into its own in this matter of financial support. Endowments for colleges are all very well, but the rural school stands as the foundation. "How can the top be good if the base is weak?" he asks.

Certainly the base will not be weak at Van Hornesville. The unanimous onward march to the higher schools just begun by the first graduating class of the new consolidated school settles this point. During the Regents' examinations held at the Van Hornesville school last month one of the questions was: "who is the world's greatest financier?" Without exception the pupils wrote down the name of the "former school boy." They were unanimous on that point, too. And it is hardly surprising.

Former Apprentice Repays Loan and $30 Additional

(Continued from page 1)

Santinelli was born in Gubbio, Italy, and came to this country at a very early age. When he was 12 years old, after finishing the sixth grade in school, he started working at a coal mine in Pennsylvania. Later he went to Buffalo, and in 1925 entered the machinist apprentice course at the Erie Works of the Company. He was graduated in 1928, and with this training together with what knowledge he had been able to pick up in his spare time, qualified himself to enter Pratt Institute in Brooklyn. In 1929, he was granted a loan from the General Electric Educational Loan Fund to help him finish his two-year course in industrial mechanical engineering. He was graduated in June, 1930, and is now, as he states in his letter, employed by the Goodyear Tire Company.

Suggestions Can Help Pay for Your Vacation

The little "extra" gift and the spirit which prompted it is an unusual indication of the appreciation on the part of the young men, either employees of the Company or sons of employees, who receive loans from the Fund. Since the Fund was created in 1927, 45 young men have received assistance, to help them to secure a higher education at institutions of their own choosing.

The General Electric Educational Loan Fund was originally a sum of $25,000, both principal and interest of which is to be used in making loans at the discretion of the Education Committee of the Company. In 1930, the Fund had been so depleted that the Committee was unable to grant loans to new applicants. Special consideration was shown those who had previously received assistance, in order to help them finish their courses of study. The disbursement of the fund to date is as follows:

Original fund		$25,000
LOANS:		
Academic year 1927-28.	$ 500	
Academic year 1928-29.	6450	
Academic year 1929-30.	9775	
Academic year 1930-31.	5350	22,075
Balance June 28, 1931....		$2,925

The balance shown in the summary is now slightly higher because of repayments, but the sum is still not adequate to meet the usual number of requests. The Committee in making loans for next fall will again give first consideration to those who have previously received loans.

Many recipients, however, have completed their courses and are, or will shortly be, able to make repayment, and it is hoped that the fund will be built up in another year to a point where the Committee can make loans to new applicants.

Safety Contest

THE standings of the various plants in the Inter-Works Accident Reduction Contest at the end of May are as follows:

DIVISION 1	DIVISION 2
Philadelphia	Oakland
Meriden	Erie
West Lynn	Bloomfield
Fort Wayne	ALL PLANTS
Bridgeport	Schenectady
Pittsfield	River Works

The "Lighting Director" in The Earl Carroll Theater

(*Continued from page 6*)

ond rows in the theater. In this location, surrounded by a modern railing of Allegheny metal, sits the electrician, in full evening dress. No longer a mere electrician, but, instead, a color conductor or director of light, he takes his rightful place beside the leader of the orchestra. Thus the control of the theater lights is brought out from back stage to a point in front of the curtain where the lighting director can see the effects he produces, allowing more accurate and delicately adjusted effects. In addition, the control is so simplified that the mere flick of a small switch is sufficient to introduce an entirely new color or lighting scheme, or to "black out" the entire stage, house lights, or both.

One of the novelties of the lighting will be the use of four colors—red, blue, green and white—in the "house" or auditorium lights. One color is customary for such lights, and even three is unusual; this is the first time four have been planned.

Another novelty will be the use of cold-cathode neon tubes for illumination on the proscenium arch, with a special dimming control designed by General Electric for the purpose. Heretofore it has been impossible to dim such lights, and this will be the first installation of the new control.

There will be 50 incandescent lighting circuits in all, 34 on the stage and 16 in the house, in addition to a large number of arc lighting circuits. Each incandescent circuit will govern a group or arrangement of lights and, in addition, there will be control circuits governing the various colors in these groups. Color master controls will be provided for both house and stage by means of which the various colors may be governed independently, and the various color controls will also be arranged for unit control from a grand master controller.

Some idea of the intensity and variety of lights to be employed

(*Continued on next page*)

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of May, 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
	1931						
14	Feb. 21	Edmond Hollingsworth.	58	Son	Yes	Son	Yes
21	April 6	James Tracy.....	47	Son	Yes	Sister	Yes
3	April 25	Anthony Fainelli.....	25	Mother	Yes	Mother	Yes
15	April 28	Walter B. Ackerman...	56	Wife	Yes	Wife	Yes
14	April 28	Joseph DeNovio.....	33	Wife	Yes		
11	April 29	Neil VanderVleit.....	51	Sister	Yes	Sister	Yes
13	May 3	Herman H. Folster....	51	Wife	Yes	Wife	Yes
31	May 13	Joseph Dopkowski.....	59	Wife	Yes	Wife	Yes
10	May 12	Calvin T. Ralph.....	63	Wife	Yes	Wife	Yes
9	May 15	Joseph Altier.....	49	Wife	Yes	Wife	Yes
1	May 16	Frank J. Fusco.....	39	Wife	Yes	Wife	Yes
River Works							
	1928						
24	Aug. 7	Norman I. MacLeod..	55	Daughter	Yes		
	1930						
4	July 23	Peter Manos.....	44	Wife	Yes	Wife	Yes
	1931						
7	April 27	Charles A. Smith.....	49	Wife	Yes		
22	April 27	Charles N. Vaughn....	59	Wife	Yes	Wife	Yes
20	May 3	William Fraser.....	43	Sons	Yes	Sons	Yes
7	May 13	Sylvester P. Moriarty..	38	Wife	Yes		
West Lynn Works							
	1930						
13	Sept. 30	Sophie P. Russell.....	57	Estate	Yes		
Pittsfield Works							
	1931						
21	Feb. 17	Fred W. Carver.....	57	Estate	Yes		
4	April 30	Roy Gagnon.....	29	Wife	Yes	Wife	Yes
13	May 13	Ethel Griffin.....	49	Mother and Sister	Yes	Mother and Sister	Yes
Erie Works							
11	Mar. 21	Frank Kubeja.....	45	Wife	Yes	Wife	Yes
13	May 11	Harvey J. Myers.....	57	Wife	Yes	Wife	Yes
Fort Wayne Works							
1	April 24	William Murtaugh.....	37	Mother	Yes	Mother	Yes
12	May 12	Mildred T. Simpson...	43	Mother	Yes	Mother	Yes
Bloomfield Works							
13	May 26	Adolf Krause.....	57	Wife	Yes	Wife	Yes
General and District Offices							
13	May 11	Clark E. Baker.....	36	Wife	Yes	Wife	Yes
2	May 16	Wayne F. Kobbe.....	23	Mother	Yes	Mother	Yes
York Works							
18	May 8	Levi Roth.....	56	Wife	Yes	Son	Yes
Incandescent Lamp Dept.							
8	April 30	James O'Donnell.....	62	Wife	Yes	Wife	Yes
4	May 8	Ernest Keich.....	22	Mother	Yes	Mother	Yes
7	May 14	August Rambus.....	62	Wife	Yes	Wife	Yes
10	May 14	Edmund F. Moore.....	50	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
31	April 28	Garrett V. Baker.....	56	Wife	Yes		
28	May 1	Richard Babbs.....	65			Wife	Yes
27	May 11	Patrick McKernon....	64	Wife	Yes	Wife	Yes
River Works							
32	May 12	Robert Dixon.....	60	Wife	Yes	Wife	Yes
West Lynn Works							
24	May 9	Thomas A. Butlier.....	65	Wife	Yes	Wife	Yes
Bloomfield Works							
35	May 3	William Sigelen.....	74	Wife	Yes	Wife	Yes
General Office							
28	May 7	George W. Carter.....	53	Wife	Yes		
46	May 6	Charles B. Burleigh....	69			Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid Month of May, 1931.....	39	$ 46,210.58	33	$ 65,500
Claims previously reported, 1931.....	126	$147,032.23	133	216,500
Total Claims 5 Months, 1931.....	165	$193,242.81	166	$282,000

(*Continued on following page*)

The "Lighting Director" in The Earl Carroll Theater

(*Continued from previous page*)

may be gained from the fact that a total of 367,000 watts is the value of all the incandescent lights which will be used. Of this figure, 231,000 watts will be incandescent lighting on the stage, and 136,000 watts will be in the house proper. To these figures must be added the arc lighting for the stage. In spite of the large amount of electricity involved for such a lighting project, the new method of control takes but a maximum of 200 watts, or four watts for each of the 50 pilot board control circuits. In other words, the control board does not handle large amounts of power directly, but through the medium of the electron tubes and the reactor system.

The technical arrangement of the system is as follows: One side of the voltage supply to each light or group of lights will pass through one winding of a saturable core reactor. The other winding of this reactor will be fed by direct current in varying amounts from a Thyratron tube. The amount of rectified current supplied by these tubes will depend on the electrical relationship between the elements of each tube, and this in turn will be determined by the manipulations of the lighting director. As the amount of direct current fed by the tube to the reactor varies, the impedance of the reactor to the lighting supply load will vary, from a point where the lights are out, to full brilliancy.

By manipulating the knobs on the individual circuits, the lighting director could control the lights, but this would involve the operation of a possible 50 knobs—one for each circuit. By the use of master controls it is possible to govern all the lighting circuits through one knob, or to split the control into major and minor divisions, depending on color, location and function, each group in turn controllable through the agency of a variable resistance.

The Empire State Building Manhattan's Lightning Rod

(*Continued from page 3*)

by a line drawn from the top of the building to a radius of about 2.5 times the building height for clouds a mile high. However, the area of protection might be reduced to a radius equaling the height of the building should the storm cloud hang exceptionally low, such as a quarter of a mile, a distance which is sometimes encountered.

For low buildings the protected radius may be four times the height of the building. Thus, although a tall building protects a greater area than does a low one, its efficiency is relatively less. This follows because the taller building more nearly approaches the storm clouds in their height.

The protected area plan has already been adopted in the safeguarding of oil-storage tanks in Southern California. Tall rods, placed near the big oil reservoirs, provide overlapping protected areas, thus greatly reducing the hazard of conflagrations from lightning flashes.

These tests are of such universal interest that on June 16, the Pathe movie men came to the High Voltage Laboratories to record some of them.

Many shots were taken of lightning bolts striking blocks of wood and bottles of water. In one instance a five-gallon bottle filled with water was smashed into countless fragments. Most interesting to the numerous spectators at the scene were the small sized electrical storms threatening a miniature gas tank. All was well as long as the tank was protected with lightning rods; the lightning would pass harmlessly to the floor. But once the rods were removed the tank was struck squarely and the cover was blown, relatively speaking, sky high. There was fire and smoke aplenty, and with the camera close by the effect was as realistic as the most particular camera man might care for.

There were other pictures taken of the "60 cycle arcs." These were spectacular enough—continuous flame twisting and writhing with startling sound effects par excellence.

W. L. Lloyd Jr. was pressed into service as announcer. It is his voice that will be heard from silver screens throughout the country, punctuated by the crashing of the lightning.

Perspiration streamed from the face of F. W. Peek, Jr. as he faced a battery of hot and powerful lights and spoke to the mike suspended from the aerial chair—peculiar to the lab. For he had been delegated the task of introducing the film to Mr. and Mrs. Public. He pointed out that the laboratory was maintained for study of the effect of lightning on transmission lines and equipment and that the apparatus photographed by the camera was capable of generating 5,000,000 volts, far higher than voltages in commercial use.

Death Benefits Paid and Disability Claims Allowed Under Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
13	May 4	John H. Neverman	57				Yes
37	May 7	Franklin C. Schwier	53				Yes
1	May 22	Frank W. Bogarski	42				Yes
River Works							
8	May 8	Rose Agnew	47				Yes
Bloomfield Works							
2	May 16	Arthur H. Perrella	19				Yes
Incandescent Lamp Dept.							
2	May	Bessie Pustai	19		Yes		
Disability Claims granted May, 1931			1	$ 700	5		$6,500
Disability Claims previously granted, 1931			3	2,800	27		41,000
Disability Claims 5 Months, 1931			4	$3,500	32		$47,500
Total Death and Disability Claims since January, 1920							$7,306,612.36



Some of the Girls Who Attended the Outing at Potawatomi Inn

GIRLS' SECTION

Elex Week-end at Potawatomi Inn

A BRIGHT, warm sun shining in a clear sky brought every Elex girl who had planned to spend the week-end of June 20 and 21 with the group of Potawatomi Inn, out of bed at an early hour on Saturday morning, for the train left the New York Central depot at 7:05 a.m. and certainly no one wanted to miss it. A car on the train had been chartered for the Elex members, and as there was much joking and laughter among the occupants the way to Angola seemed quite short.

Through the courtesy of the Angola Chamber of Commerce a fleet of automobiles met the train, each car driven by a courteous and thoughtful driver. One driver in particular had picked from his garden a bouquet of lovely roses for the girls who were lucky enough to be his guests on the ride to the Inn. He also took his passengers for a ride around Lake James and through the grounds of Pokagon Park before delivering them safely at the Inn door.

After locating their rooms and unpacking the girls were free to follow their own desires, and for the remainder of the morning most of them donned bathing suits and went for a swim in the lake, although some played tennis and others enjoyed a game of golf. Many and varied were the styles of beach pajamas that dotted the lawns and grounds surrounding the Inn.

Dinner was served at 12:30 p.m. and each girl brought such a big appetite to the table that for a time an almost absolute silence reigned. Finally the excellent food which was served loosened the tongues of the girls and songs and yells rang out. At each girl's place was a code. which when deciphered disclosed the trail that led to the buried treasure which was the object of the "treasure hunt" scheduled for 2:00 p.m. This trail led through the lovely woods in the Park and the party was headed by Ruth Schweizer and Marie Morr disguised as pirates. Marie Winkleman, Bldg. 4, was the lucky girl who found the "chest of gold" (a small cedar chest filled with all-day suckers) hidden at the foot of a tree. From there the trail led on until some one discovered another large box and this box contained paper knives in many colors made from bakelite and there was one for every girl in the party. As the code had indicated the "skull" marked the spot where a "gem" was hidden and this spot was reached first by Sara Harris, of Bldg. 6-2, who, of course, got the gem—a dollar bill. About this time a curious old snake, which unknown to the group was nearby, raised his head and this ended the "Pirate Party" as the shrieking,



The Rest of the Gang on the Elex Week-end Party

pajama-clad girls fled through the woods toward the Inn.

On Saturday evening, boats at 25 cents for the round trip provided transportation across the lake to Weldon's Landing where an orchestra with plenty of vim and vigor furnished music for dancing at the pavilion there.

Sunday morning dawned bright and sunny and practically every sleepy head crawled out of bed in time for the good substantial breakfast that was served. After breakfast there were many things to do; some wished to attend church services at Angola, others went out for a game of golf or tennis, still others went for a boat ride or in swimming. There were saddle horses which could be rented at any time and some girls took advantage of the opportunity and went for a canter through the beautiful woods in the park.

At 1:30 p.m. a most delicious chicken dinner was served and this was the real banquet of the week-end. Through the courtesy of Mr. and Mrs. Yanku, managers of the Inn, an excellent three-piece orchestra furnished music. Preceding the serving of the dinner a "Mock Wedding" was presented by a group of Elex girls with the line-up as follows:

Wedding March.....
"Just Before the Battle Mother"
The Timid Bride....Josephine Magers
The Hero (groom).....Irene Meyers
The Consoling Parson.....Esther Moll
The Rejected Suitor.....Faye Zion
The Flower Girl.....Helen Stahl
The Ring Bearer.....Della Knoche
The Bride's Mother.....Hilda Walda
The Bride's Father.....Lois Miller
The Groom's Mother.....
Jeanette Hollingshead
The Groom's Father..Josephine Offerle
The Butler.....Pat Perry

Mona Fry, Bldg. 18-2, our own "blues" singer, was a member of the Elex party and she very generously sang several selections at this dinner party as well as at almost every other meal. A number of guests were present and Marie Blough, president of Elex Club, who presided at the dinner meeting, introduced these guests: Mr. and Mrs. E. A. Barnes and Mr. and Mrs. W. J. Hockett, who chaperoned the Elex party; Mrs. A. J. Francis, Mrs. Harry Hogan, who has so generously held out a helping hand to Elex Club during the past few years, and Mr. and Mrs. Ray Willis and Mr. and Mrs. Ed. Willis, all of Angola, also were guests. The two Mr. Willises, Mr. Barnes, Mrs. Hogan and Mr. Hockett all made short talks. Then Esther Moll, in behalf of Elex Club, presented a life membership in Elex Club to Mr. and Mrs. Barnes, using a poem "Be a Friend" by Edgar A. Guest to illustrate her story. Mr. Barnes accepted with a speech.

Following the dinner, the group assembled on the lawn where a group picture was taken. At 3 o'clock everyone went to the pier all ready for the boat ride around the lake which was provided by the courtesy of the General Electric through our Works manager, W. S. Goll. A thrill was added to the ride by a rainstorm which came up while the boats were out and the fact that some lovely long chiffon frocks on contact with water decided to shorten their length, all went with the hilarity of the sport.

After the palatable supper served at 6:30 p.m. all hurried away to their rooms to pack up their belongings in readiness to return to Fort Wayne, just a wee bit sad that the happy week-end was almost at an end. Again the Chamber of Commerce of Angola provided automobiles to transport the girls to the New York Central depot at Angola as the group were to return to Fort Wayne by train.

Too much credit cannot be given to the people who made it possible for our Elex Club members to spend such an enjoyable week-end. We are sure that from the bottom of her heart every girl who had the good fortune to go to Potawatomi Inn offers thanks to Mr. and Mrs. Barnes and Mr. and Mrs. Hockett for their kindness in chaperoning the party; Mr. Goll, representing the management of General Electric Company, Fort Wayne Works, for the splendid boat ride; Messrs. Ray Willis, Ed. Willis and Lawrence Klenke, representing the Angola Chamber of Commerce, for so generously providing transportation from Angola to the Inn and back again; Mr. and Mrs. Yanku, managers of Potawatomi Inn, for the excellent meals and accommodations provided; and last but not least our own Elex Executive Committee, Marie Blough, Esther Moll, Lois Miller, Irene Meyers, Lena Shull, Leone Stone, Miriam Valentine and Louise Lawson, for their untiring efforts to make this week-end just what it was—one of the most enjoyable events on the Elex Calendar for the season.

The girls who attended were: Pearl Alwine, Clara Ankenbruck, Pauline Badiac, Sylvia Baughman, Betty Baxter, Ruth Bell, Adella Benanti, Mildred Bixler, Estella Blakley, Eva Blanton, Loretta Bloom, Grace Blosser, Marguerite Blotkamp, Marie Blough, Leila Byall, Mildred Carrier, Florence Case, Ruth Cavender, Ethel Chapman, Dorothy Crawford, Ruth Crawford, Gladys Crick, Marjorie Crick, Helen Dammeyer, Mildred Davis, Kathryn Dearmitt, Alma Enderle, Lucille Enderle, Lorena Fann, Rebecca Fogwell, Ruth Franzdorf, Ruth Fuller, Mary Fry, Helen Gnau, Rachel Goings, Mande Goodrich, Gertrude Grimes, Elizabeth Haiflick, Cathleen Hall, Mildred Harber, Sarah Harris, Goldie Hartman, Mary Henninger, Betty Hiltner, Marie Eve Downie, Mary Hoffman, Jeanette Hollingshead, Mae Honeyman, Pauline Hosler, Velma Houser, Marguerite Jackson, Marjorie Jenkins, Bertha Jenks, Okla Johnson, Margaret Kessler, Theresa Kiefer, Pauline Klejnot, Della Knocke, Rugy Kuhn, Rosamond Krull, Bernadette Lantz, Mabel Liggett, Erma Linder, Josephine Magers, Irene May, Emma Mendel, Cecile Meyers, Clara Meyers, Irene Meyers, Thelma Meyers, Lois Miller, Martha Mitten, Esther Moll, Marie Morr, Estella Morrolf, Hazel Newport, Hazel O'Brien, Margaret Odou, Josephine Offerle, Alma Olson, Mary Orr, Esther Pape, Irene Parr, Pat Perry, Betty Pfister, Katherine Pierce, Wava Poinsette, Zadie Prugh, Hilda Puff, Lora Redding, Ruth Reynolds, Mary Rogers, Elma Schneck, Ruth Schweizer, Mae Seaman, Bertha Sheehan, Helen Sherbondy, Lena Shull, Imelda Smith, Alice Sorg, Thelma Sprowl, Helen Stahl, Irene Stier, Leone Stone, Maxine Taylor, Thelma Teeters, Mary Thomas, Clementine Townley, Turk Tutwiler, LaVera Vail, Miriam Valentine, Edith Venrick, Velma Vincent, Hilda Walda, Helen Walters, Gertrude Werling, Dorothy Wesling, Marie Wickelman, Ruth Wiehe, Bertha Wollert and Faye Zion.

Wiener Bake

Several members of the Sky High Club of the General Electric Service Office had a wiener bake at Devil's Hollow on June 10. Music, dancing and stunts provided the entertainment for the evening.

Those present were: Mr. and Mrs E. J. O'Neill, Mr. and Mrs. Forest Somers, the Misses Edna Huge, Juanita Helms, Margaret Suelzer and Esther Newman and the Messrs. Ray New-

man, Erven Huth, Dick Stolper and Wilbur Yergens.

Weddings

Johnson-Feusner

Gertrude L. Feusner, Bldg. 17-2, and Edward J. Johnson were married June 22, the ceremony taking place at 2:30 p.m. at St. Peter's Lutheran church with Rev. A. Doerffer performing the service. The young couple are now living in Waynedale.

Knepper-Stickelman

The marriage of Evelyn Stickelman, Frac. Hp. Motor Dept., Bldg. 4-2, and Ivan Knepper occurred on June 20 at the parsonage of Bethlehem Lutheran church with Rev. M. Reinke reading the service. For the present Mr. and Mrs. Knepper are residing with Mr. Kneppers' parents at 2101 Taylor St.

Berdelman-Shulien

On June 20 Edna Shulien and Ray Berdelman were united in marriage. Mr. and Mrs. Perry Clements were the only attendants. Both Mr. and Mrs. Berdelman are employed in the Frac. Hp. Motor Dept.; Mr. Berdelman in Bldg. 4-5 and Mrs. Berdelman in Bldg. 4-3. They are making their home at 904 W. Berry St.

Adams-Schwalm

The marriage of Emma Schwalm, Transformer Dept. Bldg. 26-1, and Edwin Adams, took place on June 21 at the parsonage of St. Paul's Lutheran church with Rev. Paul Miller officiating. Mr. and Mrs. Dean Braucher, of Tulsa, Oklahoma, attended the couple. Mrs. Braucher is a sister of the bride and was at one time employed in Bldg. 17-2 here at our Broadway Plant. A wedding dinner was served to the members of the two families at the home of the bride's parents, Mr. and Mrs. Edward Schwalm of 1132 Columbia Ave. For the present Mr. and Mrs. Adams are residing with Mr. Adams' parents. Mr. Adams is employed in this city as a barber and is a son of Mr. and Mrs. Guy Adams of Decatur.

Rodenbeck-Chaney

At 3 o'clock in the afternoon of June 21, the marriage of Woneta Chaney, Frac. Hp. Motor Dept., Bldg. 17-2, and August H. Rodenbeck occurred, the ceremony taking place in Emmaus Lutheran church with Rev. Fred Wambsganss officiating. Velma Wiehe and W. A. Rodenbeck, a brother of the groom, were the attendants. A wedding dinner was served at 6 o'clock at the home of the bride's mother, Mrs. Clarence J. Robinett, 2125 Thompson Ave., and later the young couple left on a wedding trip.

Elex Picnic

Plans are being made by the Elex Club Executive Committee for a picnic for all G-E girls scheduled for July 21 in Trier's Park. Immediately after work the girls will go out to the park where a picnic supper will be served. Afterwards the girls will enjoy the many amusements in the Park.



Irene Meyers



Esther Shannon

Irene Meyers and Esther Shannon Win Prizes

Two of our G-E girls, Irene Meyers of our Broadway Plant, and Esther Shannon of Winter Street Plant, were winners in the *Paramount-Journal Gazette* Popular Working Girl Contest staged recently.

Miss Meyers won first place and a two weeks' trip to Yellowstone National Park and Miss Shannon a six months' guest ticket for two to the Paramount Theater. Both girls naturally are very appreciative of the support their General Electric friends gave them in the contest.

Dudlo Girls Club Entertains Gymknit and Elex Clubs

On June 17, Dudlo Girls Club gave a party at the Pennsylvania Club Rooms entertaining members of Gymknit and Elex Clubs. A very interesting program of songs, readings, and music by guitars was presented by two young men entertainers from Radio Station WOWO. After this the group played bingo and several lovely prizes were awarded. There was also an attendance prize for each club represented and Eva Fisher was the lucky girl to win the attendance prize for Elex. Then an orchestra appeared and there was dancing, also card games for the non-dancers. Clever paper hats and cute little whistles were given as favors. Later in the evening refreshments were served. It was a very enjoyable party and Elex Club members are grateful to Dudlo Club for their kind invitation.

G-E Squares Club

(*Continued from page VIII*)

lake immediately after work. It was not long before everyone was cooling off in the water and incidentally working up a big appetite. When the bonfire was lighted on shore it caused great commotion and a grand rush for the dressing rooms. There was then an unmerciful slaughter of wieners. Fortunately the food supply was ample, and bore up nobly under the assault. After ice cream and cookies were served the feasting officially was declared closed. Dancing then was enjoyed at the Tri Lakes pavilion. Near midnight a weary crowd was tripping its way homeward, somewhat tired but happy nevertheless.

Harold Kroeger, Dale Wilson and Fitch Lathrop have recently become bold, brave or what have you, and deserted the ranks of single men. Congratulations to all of you, and may you have just lots of happiness and success.

Deaths

(*Continued from page VII*)

held June 27 from the funeral parlors of Chalfant & Cutshall and burial was made in Lindenwood cemetery.

John F. Kiess

On June 14 John F. Kiess died at his home on West Breckenridge St. at the age of 75 years. The death of Mr. Kiess removes from our midst the last of those who had an active part in the establishment of our Works here at Wort Wayne just 50 years ago. As mentioned in the story in the June WORKS NEWS, it was Mr. Kiess who arranged the meeting



John Kiess

between R. T. McDonald and the gentlemen from Ann Arbor, Mich., who had come here for the purpose of disposing of certain patent rights which they held for the manufacture of arc lighting apparatus. It was Mr. Kiess' enthusiasm for the new form of lighting which he had just recently seen and his admiration for Mr. McDonald for whom he then worked that persuaded the visitors from Ann Arbor that Mr. McDonald was the man they should see. Had it not been for Mr. Kiess there is no doubt the arc lighting demonstrations of July 11 and 12, 1881, would not have occurred and it is all too probable that the General Electric might never have possessed a factory in Fort Wayne

Although Mr. Kiess was thus directly connected with the circumstances that established the manufacture of electrical apparatus here in 1881 he was not in the employ of the Fort Wayne Electric Light Company, the original concern, until three years later. On Nov. 1, 1884, he was placed by Mr. McDonald in the position as shipping clerk in the new company and during the whole of his 41 years of continuous service here he was connected with shipping activities.

On Feb. 27, 1926, Mr. Kiess, who then was 70 years of age, was granted a pension and retired from active service. He continued to make his home in Fort Wayne and often was a visitor at our Broadway Plant.

The funeral for Mr. Kiess was held at the home, 429 W. Breckenridge St. on June 16 with burial in Lindenwood. W. P. Kindt, W. H. Schultz, Stuart Rehrer, F. J. Schwartzkopf, R. O. Orff and J. E. Hall, members of the Quarter Century Club, acted as pallbearers.

Compressed Air Has a "Kick"—Be Careful

COMPRESSED air is dangerous if improperly used, which fact has been brought out by several minor accidents recently occurring at the Erie Works. Every employee is asked to study this subject and if occasion to use compressed air arises, take all necessary precautions.

Some of the possible causes of injury are:

1. Hose not securely attached to equipment.

2. When the air stream is directed at or against any person standing nearby or when it is directed against material so as to be deflected into the face of the operator.

Negligence when using air can easily result in a very serious, and even fatal, accident. A chip carried into the eye by air is as hazardous as though it came from a chisel; goggles afford protection!

Now is the Time to Send In Suggestions

IF YOU have any ideas which may mean savings to the Company turn them in. Many hesitate to send in suggestions during slack times for fear the awards will not be as great as during prosperity. Do not let this supposition deter you, as the Suggestion Award Committee tries to be just, and many times if the volume of business is not as large as usual, awards are made on the basis of average business, sometimes for two or three years back.

Also, the suggestor always has the privilege of reopening his suggestion if he does not feel he has been fairly treated.

If we keep in mind the slogan "There is Always a Better Way" the employees with ideas to sell to the Suggestion System will not be discouraged but should be spurred on to greater and more remunerative efforts.

Absent Employees

William Storms of the Transformer Division, and Marie C. Kline of the Works Cafeteria, are patients at St. Joseph's hospital where they have undergone operations. Both are improving and it is expected that they soon will be able to go to their homes.

James Cushing, of Fract. Hp. Motor Production Office, George App of Bldg. 4-1, and Laverne Fritz, of Bldg. 4-2, who recently underwent operations are now at their respective homes and convalescing nicely.

Dorothy Bainbridge, Bldg. 4-2, Lloyd Gilbert, Transformer Division, Elma Berger, of Transformer Division, and Gertrude Bushong, of the Service Bureau, are confined to their respective homes by injuries received in automobile accidents, but all are making good progress toward recovery.

Henry Lapp and John Richards, of the Apparatus Division, who have been absent because of illness for several months are now recovering.

Richard Gallmeier and Frank Morel, Apprentice Dept.; William Schwalm, Bldg. 19-2; Lawrence Becher, Bldg. 19-3 of the Apparatus Dept.; Ralph Place, Bldg. 4-4; Orel Weist, Bldg. 17-2; Katherine Weigele, Bldg. 17-2; Wavie Yeoman, Bldg. 17-2, Fract. Hp. Motor Division; Mrs. Burdella Welch, Transformer Division, Bldg. 26-1; John Weidelman, Shipping Dept., Bldg. 6-2, and Donald Stephan, of Winter Street Plant, are unable to be at work because of illness.

The WORKS NEWS expresses the sincere wish of their co-workers that all may soon be well on the road to recovery.

Winter St. Plant

Mostly About People

Mrs. A. J. Seibt is convalescing from a recent very serious illness and has our best wishes.

A. L. Givens and wife have our sympathy in the death recently of Mrs. Givens' mother.

Leo Thompson, Otto Langston and Ivan Webster are on the sick list and have our best wishes.

Chester Lichtenberg has recently been joined by his wife and children and they are residing at 4616 S. Wayne Ave. The Lichtenbergs were formerly Philadelphia residents.

V. W. Leonard was transferred from the Meter Engineering Dept. to the Refrigeration on June 22.

Mary Savage and Pauline Hosler are new members of our Service Bureau, both having been transferred from the Broadway Plant.

June Weddings

Mae Smith, of our Shipping Dept., and Paul Stinson, of Poneto, Ind., were married on June 14 and now are living on Cambridge Blvd.

Bertryl Merrill and Dale Wilson of our Planning Dept., were united in marriage by Rev. Folsom at the Plymouth Congregational church on June 26.

Ruth Phingst, and Harold F. Lathrop, of our Engineering Dept., were married at the home of the bride's parents at Louisville, Kentucky, June 27.

Wilma Hock, of Gladbrook, Iowa, and Murvin B. Haase, of our Planning Dept., were married in the "Tall Corn State" city on June 28.

(Continued on page 18)

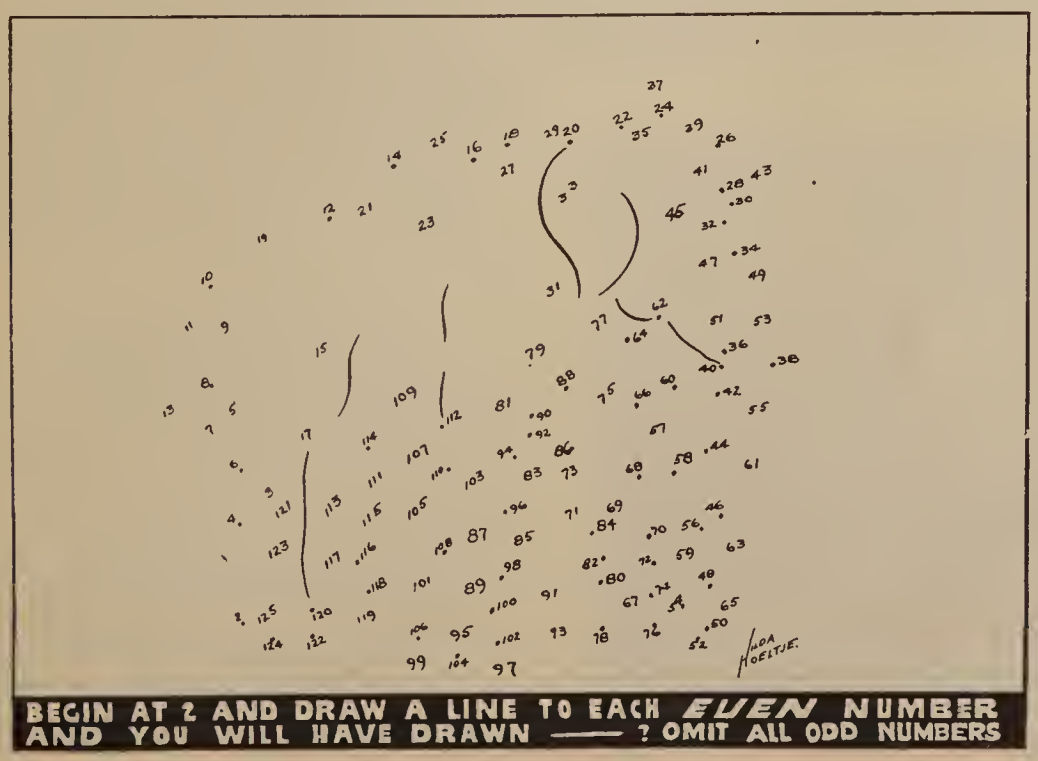
JUNIORS' PAGE

Dear G-E Juniors:

I can't tell you how happy it makes me to receive so many nice letters and answers to the puzzle in our June WORKS NEWS, for the weather has been so hot that I suspect most of you would rather play outdoors in the shade of a big tree than to sit down and try to solve a puzzle. However, most all of you found the same things beginning with the letter "f" that we did and some of you found other things that we hadn't noticed, so we gave credit for all the things in the picture beginning with the letter "f." The things we had in mind were: flowers, frog, farm, farmhouse, flag on the mail-box, fence, fenceposts, field, freight train, fisherman, fish pole, fan, fire, frying-pan, flaps on the basket, forehead, face, forearm, fruit, frosting on the cake, fish, fork, fingers, feet, fern, figures on tree, fringe on the table cloth. We sent prizes to Louis Webster, Eleanor Schleper, Charles Gardt, Geraldine Fabian and Betty Lee Wilson of Fort Wayne, and Ella Fay Ogg and Kenneth Nyffeler of Decatur.

Dorothy Lordier, Louis Webster, Charles Gardt and Geraldine Fabian are new Juniors who wrote to me this time. Besides these Gwendolyn Horn, Audrey Mutschlecner, Eleanor Schelper, Margaret Everding, Betty Rose, Frances Mee, Celeste Schwartz, Estella Schwartz, Betty Lee Wilson, Berniece Etzler, Kathryn Rice and Albert Devaux, of Fort Wayne, and Catherine Murphy, Mary Maxine Hilton, Esther Fisher, Richard Jackson, Betty Hamma, Johnnie G. Waltke, Kenneth Nyffeler and Ella Fay Ogg, of Decatur, all sent me nice letters. Frances Mee sends her congratulations to Celeste Schwartz and Richard Jackson for winning the big prizes this year. Richard Jackson has had the mumps, but he is well now and has been having lots of fun playing baseball with the mitt that he received as a prize. He and his brother have a nice garden which keeps them pretty busy, Richard says. Celeste Schwartz wrote her letter to me with the pencil she received as a prize and said she liked to write with it very much. After reading your letters I know that all of you are enjoying your vacations.

We are very glad to have for our Juniors' Page this month a picture of little Frances Joan Weitzman sitting in her cart just waiting for someone to take her for a ride. Frances Joan is the little daughter of Paul Weitzman, who





Frances Joan Weitzman

works in the Tool Design Dept., Bldg. 18-4, and he loaned us this cute picture of her for the WORKS NEWS.

This month we have a different kind of a puzzle, but I think you will find it quite easy. To solve it start with the figure 2 and draw a line to the next even number which is 4, and so on to all the even numbers such as 6, 8, 10, etc. When you have finished you will have the outline of an animal that you almost always see in a circus or the zoo. Write and tell me what the name of this animal is, for that is the answer to our puzzle.

In spite of the fact that it is so very hot I hope that many of you will take time from your many vacation pleasures to solve the puzzle and send me your answers; I wish, too, that you would send in your answers promptly, for I am going on my vacation the first two weeks in August and I should like very much to have all your answers before I go. I'll be looking for your answers early.

Yours sincerely,

Jill

Smile Awhile

The dinner guest's nose was exceptionally large, and Father had noticed Willie staring at it. Expecting the boy to make some frank and outspoken comment, he gave him a disapproving glance.

"That's all right, Dad," came the reassuring response. "I'm not going to say anything. I'm just looking at it!"

—*Christian Science Monitor.*

Winter St. Plant

(*Continued from page 16*)

The entire Refrigeration Division extends in this manner heartiest congratulations and best wishes to these newly married couples.

Sports

Our Inter-Department Baseball League standing is as follows:

	W	L
Rockhill's Dept.	2	0
Kabisch's Dept.	0	2
E. Locker's Dept.	0	1
Brown's Dept.	1	0

The Winter Street entry in the hard-ball league has made a fine showing and will probablp finish up the first half in third place. Opposition has been exceptionally strong in this League, as well as in the softball league where our teams should finish near the top for the first half. Our fans have been loyal, too, which may be a contributing factor.

Athletics

Baseball

At the present writing the G-E Club baseball team has a good chance to tie up the City Industrial league standings and force a two-way play-off which may result in giving the local squad honor position in the first round of games.

Manager William Glenn has a well-balanced team with Cowan, Lichty, Motz, Bob Glenn and Enders for infield; Stafford, Kestner, McAfee and Kammeyer in the outfield; Adam Farrell and Henry Bubb, catchers; Ernest Hanauer, Otto Rodenbeck and Verdayne Fisher on the hurling staff.

The battle for leadership in the Inter-department baseball league continues at a merry clip and it is going to take every game finally to decide a champion. Apparatus, Motor Vets, Transformer and Winter Street are still within striking distance of the coveted position, with decisive games scheduled for the last week of the opening round.

General Service, Apprentice, Squares and Small Motor are trailing closely and all of them are strong enough to make an interesting contest for any of the first division squads.

Motor Vets, last season champions, continue as the strongest hitting team in the circuit but the other squads have been strengthened with good talent and are out to prevent the Veterans from repeating this year.

Games are played on both diamonds at the Taylor Street grounds on Tuesday and Thursday evenings, with the starting time set at 5:45. Additional bleachers have been installed at both diamonds, doubling the capacity, and assuring the growing number of fans comfortable seats. There is also plenty of parking space and many of the fans view the games from their cars.

Softball

The 13 teams of the inter-department softball league are so closely bunched in the standings that it is useless to make a guess as to the probable first round winner. Refrigeration and Squares are now tied for first place; Winter Street is second; Apparatus and Apprentice are tied for third; Main Office, Plant Construction and Small Motor Factory hold fourth place.

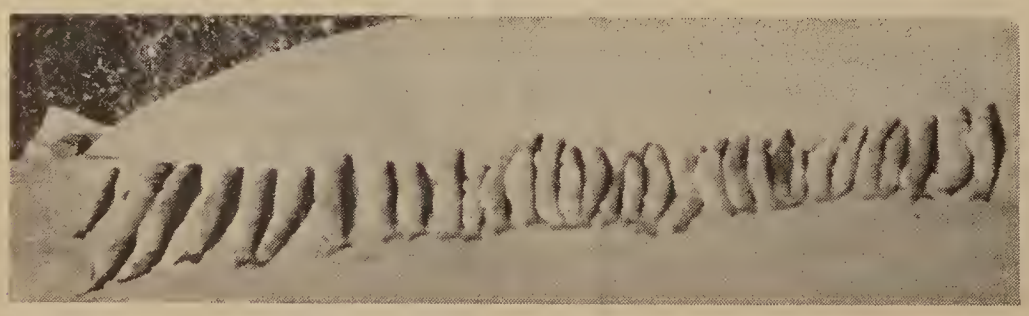
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The Harmony Boys softball team, managed by Russ Meeks, recently defeated the strong Foellinger Colts of Bldg. 4-5, using their utility players after the regulars had piled up a safe lead. The final score was 9 to 7, with the Colts never threatening.

Manager Meeks has issued a challenge to any and all softball teams in the Small Motor Dept. and is anxious for stronger competition than has been available in past games. The Harmony Boys are anxious to prove their strength and championship calibre. Who'll knock them off?

* * *

Apprentice, last season champions are still fighting for a commanding position, and although they have suffered two defeats they can still cause trouble among the leaders.



A catch of 32 German brown and brook trout taken in the Sable River, Mich., Decoration Day, by George Walderschmidt Harold Brudi, J. W .Crise and Wayne Cook. The fish range from seven to 14 1-2 inches in length, the largest weighing one and qaurter pounds

Games are played on both softball diamonds four evenings every week and the first round schedule will not be completed until July 16.

The G-E team in the City Softball League continues undefeated and should equal their last years championship performance. Players are selected from the inter-department softball league teams and Manager Berghorn has built a strong, well-rounded club for this league.

Games are played every Thursday evening on various softball courts in the city, and are beginning to draw quite a number of enthusiasts.

Inter-department Horse-shoe League

Opening games in the Inter-department horse-shoe league were pitched during the week of June 22, with single games scheduled every Monday, Tuesday and Wednesday noons at the G-E courts in McCulloch park.

The initial round of play will continue until July 29, with postponed games played immediately following regular scheduled games or at the end of the first half.

John Blakely, Bldg. 4-B, is again managing the league and has the following named entries for the singles contests: L. Joseph, L. Anderson, H. Hibler, M. Lee, W. Stute, C. Wedler, H. Snyder, C. Richey, C. Faulks, P. Saylor, H. Mosshammer, I. Archer, O. Haver, H. Hartman and J. Blakely.

Hibler with three wins, and Hartman with two victories headed the league standings after the first week of play.

Golf

The G-E entry in the City Golf League is well up in the standings and has already shown its strength by defeating the International Harvester No. 1 team, last season champions. This is the only defeat suffered by that team in two seasons.

L. Z. Gossman, Bldg. 4-6, manager of the G-E team, has selected the best available talent for the club using Earl Lamboley, Robt. C. Hanna and G. W. Cain regularly and S. C. Newlin, M. L. Hartman, H. L. McAtee, W. H. Sunier, and I. N. Kellogg as alternates.

Games are being played at the Elks Country club course each week over a two-round schedule.

Girls' Baseball Practice

In spite of the fact that there is no other girls' baseball team in the city, the baseball enthusiasts have been coming out regularly for practice, sending their fly balls in all directions while they often make home runs with apparently little exertion. The old stand-bys are: Opal Wright, Ruth Vaughn, Mary Beachler, Mildred Harber, Ruth Reynolds, Kathryn DeArmitt, Pat Perry, Monnie Fry, Carrie Bowman, Marcelean Curie, Gretchen Webb, Vena Baker, Jean Ramsey, Mary Armstrong, and Frances Steinacker.

Hilda Walda, whose long experience in G-E girls' athletics more than qualifies her, is coaching the team.

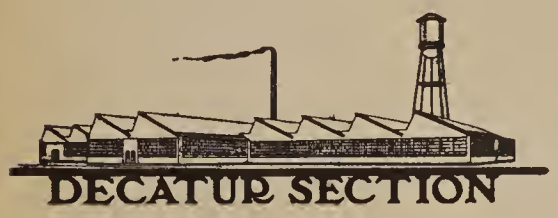
The girls have been playing every Wednesday at the small diamond at Swinney Park.

Girls' Tennis Class

A surprisingly large number of girls have been coming out for tennis class every Monday after work. The girls meet at the G-E Club and then proceed to the G-E Club tennis courts located on Taylor Street. Many of the girls had never played tennis before, and they are making excellent progress; some of the girls who had played before wanted to learn more about stroking and the game in general, and they have made rapid improvement in their game.

The following girls have been coming out for class: Mable Liggett, Hilda Hoeltje, Izora Woods, Esther Newman, Margaret Suelzer, Elda Lipp, Teresa Ott, Fay Hosler, Virginia Douglas, Esther Prowant, Letha Guild, Maud Kaufman, Geneva Martin, Hazel Rable, Fern Elder, Jessie Elder, Ruth Parker, and Mary Armstrong.

Any girls who want to learn to play tennis, are asked to send their names, their building and floor, and their foreman's name to Esther Moll, Bldg. 21. The girls meet at the G-E Club at 5:20 and then go to the tennis courts.



Weddings

Neireiter-Anderson

Josephine Anderson, Winding Dept., and Henry Neireiter were married June 14 at the Christian Church by the Rev. Laniman. After a wedding trip through northern Indiana and southern Michigan the newlyweds returned to Decatur where they are at home to their many friends at their apartment on North 9th Street.

Bordiers-Girod

Frances Girod, Winding Dept., and James Bordiers were married June 25, at the Zion Reformed Parsonage, Decatur. They are now at home to friends at 104 N. 11th Street, Decatur.

Large Crowd Attends First Outing of Decatur G-E Club

ABOUT 700 people attended the first outdoor picnic sponsored by the G-E Club of Decatur Plant, held at Sunset Park, three miles southeast of Decatur, on June 13. Employees and their families met at 9 o'clock at the G-E Plant and moved in parade in their private machines, a G-E truck carrying the band leading the way to the park.

Festivities began as soon as the crowd arrived. Considerable rivalry had developed between the boys and the dads as to who was best at the game of softball, so it was decided that there should be a deciding game between the best team of boys and the best team of men. There were five teams of boys and four teams of men so the elimination games were soon under way. Horseshoe pitching ability, too, was something to be decided between many individuals interested in that sport, so coats were laid off, sleeves rolled up and the steel shoes soon were ringing merrily against the iron pegs.

At 12:00 noon a truce was declared and everyone gathered at the lunch stand where Chef Frank Gillig and his corps of assistants served everyone there generous helpings of potato salad, baked beans, baked ham and roast beef sandwiches, and coffee, all furnished gratis by the club.

In the afternoon, finals in the horseshoe and softball games were played. Dewey Gallogly proved the champion in horseshoe and a men's softball team headed by Kenneth Eady proved themselves superior to the champion team in the Junior class headed by George Buckley, Everybody enjoyed this championship game and the Juniors had by far the best of it in support from the side line. The Juniors played a good game and their dads, of course, were proud of their showing.

After the games the crowd moved over to the dance pavilion where the remainder of the day was spent in dancing to music furnished by Dee Fryback and his orchestra. The crowd which turned out included nearly everyone of the Decatur employees who could possibly attend and the only decision possible is that all who were there had a good time.

Deaths

Doras Werling

Doras Werling, of the Decatur Plant, was shot and killed on the evening of June 29 quite unaccountably by a man who was fishing along the river south of Decatur where Mr. Werling and his companions had gone for a swim. Mr. Werling, who lacked but one month of being 28 years of age, first worked as a helper in the Punch Press Dept. at Decatur, starting on June 12, 1925. In Jan., 1926, he was laid off for lack of work and when he returned in May of that year he was assigned as operator of the oil extractor in the Receiving Room, the work on which he continued until his death. The funeral was held July 2 at his home at Pleasant Mills with burial in the Decatur cemetery.



Checking-up on the Baseball Score at the Decatur G-E Club Picnic

Service Anniversaries for July

Fort Wayne Plant



Arthur D. Kelker

THIRTY YEARS

Arthur D. Kelker - - - July 1, 1901

TWENTY-FIVE YEARS

Ed Dubois - - - July 10, 1906

TWENTY YEARS

R. H. Dierstein - - - July 10, 1911
Herbert G. Siebold - - - July 17, 1911
Henry Honeck - - - July 19, 1911
William D. Schultz - - - July 24, 1911
Roy A. Rippe - - - July 25, 1911

FIFTEEN YEARS

Charles Koomjohn - - - July 2, 1916
Gottlieb Boschet - - - July 5, 1916
Charles M. Spencer - - - July 6, 1916
Homer C. Meeker - - - July 10, 1916
Walter F. Gerdom - - - July 10, 1916
George H. Graue - - - July 11, 1916
Fred Kruse - - - July 11, 1916
Fred Wyss - - - July 12, 1916
Alfreda M. Sullivan - - July 12, 1916
David Arnett - - - July 14, 1916
Robert Wylie - - - July 17, 1916
Fred H. Buckholz - - - July 17, 1916
Oscar Huge - - - July 17, 1916
Charles Burns - - - July 17, 1916
John R. Heine - - - July 19, 1916
A. Kabisch - - - July 20, 1916
Harlan Voltz - - - July 22, 1916
Vincent W. Leonard - - July 24, 1916
George Crowe - - - July 24, 1916
David H. Welbaum - - - July 24, 1916
Harry A. Parker - - - July 24, 1916
William C. F. Rehm - - July 26, 1916
Omer J. Meyers - - - July 27, 1916
H. Briggeman - - - July 28, 1916
I. W. Archer - - - July 31, 1916

TEN YEARS

H. M. Witherow - - - July 13, 1921
John Winstel - - - July 17, 1921

Decatur Plant

TWENTY YEARS

Bert Gage - - - July 7, 1911

FIFTEEN YEARS

Tillmon Gehrig - - - July 6, 1916



The GE Works News

August 21, 1931

A Few Snaps From the Elex Club Week-end Party at Potawatomi Inn



The guests. Left to right: Mrs. A. J. Francis, E. A. Barnes, Mrs. Barnes, Mrs. W. J. Hockett, Mr. Hockett



Left to right: Mildred Carrier, Pauline Klejnot, Helen Dammeyer, Hazel Newport, Kathleen Hall, and Velma Vincent



Standing: Goldie Hartman, Mae Honeyman Helen Walters, Sara Harris. Sitting: Mary Rogers. Emma Mendel, Dorothy Crawford, Mary Henninger, Marjorie Jenkins



Left to right: Marjorie Crick, Gladys Crick, Amelia Smith, Theresa Kiefer



Sunning on the pier



Left to right: Hilda Walda, Lena Shull, Hazel Newport, Ruby Kuhn, Miriam Valentine, Helen Dammeyer

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 August 21, 1931 No. 8



The G-E Team Won the Baseball Game Against Capehart

G-E Club Picnic Draws Big Crowd

IN SPITE of the call of the northern lakes, thousands of G-E employees and members of their families were out for the second annual G-E Family Picnic sponsored by the G-E Club, held this year at Trier's Park on July 25.

The program was officially opened by the firing of a parachute flag bomb just before the start of the regularly scheduled Y.M.C.A. Industrial baseball game between Capehart and the General Electric which General Electric won by the score of 11 to 10.

Following the ball game, the special athletic program was carried out with the prizes going to the following contestants:

Shoe Scramble (men): first, Glenn Ellenwood; second, Harry Barry; third, R. R. Ludig.

Hop, Step and Jump (men): first, George Langenberg; second, Bruce Hamilton; third, John Miller.

75-yard dash (men): first, Garland Hewitt; second, Al Heuer; third, George Langenberg.

Needle Threading (women): first, Mrs. Georgette Ahlersmeyer; second, Beatrice Weller; third, Mrs. Arthur Loescher.

Nail Driving (women): first, Mrs. Emma Arnett; second, Mrs. Frank Newport; third, Mrs. Erma Wilkin.

Egg Race (women): first, Mrs. Beatrice Parkison; second, Mrs. Paul Schoneherr; third, Stella Adams.

Three-legged Race (boys): Edward Werrick and Elwood Kinney.

75-yard dash (boys): first, Edward Werrick; second, Wayne Pribble; third, Elwood Kinney.

Shoe Scramble (boys): first, Edward Werrick; second, James Saxton; third, Ralph Bradtmiller.

Ball Throwing (girls): first, Elizabeth Ganther; second, Agnes Seidner; third, Elizabeth Seidner.

Potato Race (girls): first, Elizabeth Ganther; second, Lillian Lee; third, Vivian Anderson.

50-yard dash (girls): first, Elsie Jackson; second, Elizabeth Ganther; third, Mary McPherson.

Our General Electric Band, under conductor John L. Verweire, contributed the following excellent



Free Orangeade



L. D. Hodell and his Family at the Outing



Rooters at the Ball Game

programs for the pleasure of the picnic crowd, their first being given from 4:00 to 5:00 p.m., their second from 6:45 to 7:45 p.m.

March, "The American Bugler". *Lake*
Overture, "At the Well"..... *Blodek*
Popular Hits
(a) "Let's Drink a Drink to the Future"..... *Rudy Vallee*
(b) "99 Out of a Hundred Wanna be Loved"..... *Lewis*
Selection, "Babes in Toyland"..... *Victor Herbert*
"The Bedouin Love Song".. *Pinsuti*

March, "Sons of Tavistock". *Verweire*
Intermezzo..... *Casto*
Selection, "The Only Girl"..... *Victor Herbert*
Popular Hit, "Let Me Hum a Hymn to Her Tonight"..... *Young*
March, "U. S. Field Artillery" *Sousa*

The good time of the youngsters especially, was not limited to that from the special program of athletic events staged for their benefit, for the G-E Club had distributed gratis to Company employees 12,000 tickets for the use of the children on the various rides and walk-through forms of amusements to be found in the park. Certainly the ponies at the park made many new friends among the G-E kiddies during the course of the day, for this was a form of amusement of which the children never seemed to tire. Then there were the special boat rides on the river, the dancing, etc., and the picnic lunch, the free coffee and orangeade for all, courtesy of the G-E Club, adding all that was necessary to round off the basket feast that had been brought along from home.

The grand finale of the program was some very fine fireworks, furnished through the courtesy of Mr. Trier, which were staged at 9:00 p.m. Certainly this made a full day of real pleasure for the hundreds of youngsters who were in attendance at the picnic.

To give the names of all who had a hand in making the picnic a success would call for a list much larger than that of the special committees involved. Baseball players, bandsmen, firemen, club officials, all backed up the committees in charge; and no less entitled to credit are those employees who brought along their families and entered whole-heartedly into the spirit of showing their guests a jolly good time.

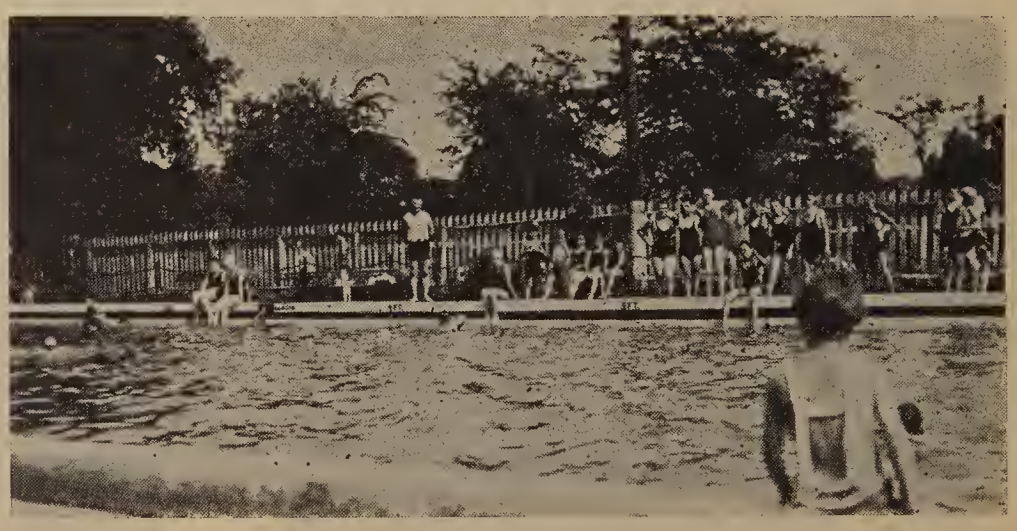
Sky Highs Have Outing

MEMBERS of the Sky High Club of the General Service Division are always ready for a good time. On July 2 some of the members went to Oliver Beach on Oliver Lake, north of Wolcottville, for an evening's diversion of boating and bathing. Of course a picnic supper was arranged for in the plans and everyone was thoroughly equipped to enjoy his supper after the refreshing dip in the lake. Those who were members of the party were: Mr. and Mrs. O. Beaty and children, Mr. and Mrs. E. J. O'Neill, Esther Neuman, Margaret Suelzer, Juanita Helms and E. Huth. Miss Neuman made the arrangements for this party at the lake.

Apprentice Stage Outing at Elks Club

ONCE each year members of the apprentice alumni stage a stag frolic and picnic at the Elks Country Club. The picnic this year was held on July 20.

Dinner was served as soon as the crowd convened and then baseball, volleyball, horseshoe games and cards were introduced. John Craig and Nyle Redding proved invincible in a tug-of-war which was staged. As all other contests were purely individual ones staged only for the fun, no list of the winners could be secured. However, everyone of the 60 graduate apprentices who were present surely had a good time. The arrangements were ably handled by Henry Gollmer, Karl Geller, Gordon Divers, Paul Weitzman, Ivan Rinehart, Harrold Sherbondy, Bertram Girardot and Henry Wittber.



Cooling off in the Pool

Refrigeration Employees Sell Product

DURING the last half of July, the Refrigeration Dept. employees of our Company were engaged in a campaign to sell General Electric refrigerators in the communities in which they live. The H. E. Bogart Co. of Toledo, distributor for this section, and the Indiana Service Corporation, the dealer handling the refrigerators in Fort Wayne, effectively co-operated with the local employees in staging the campaign and furnished prizes for the contest between teams and individuals to produce the greatest number of sales.

In carrying out the campaign a military form of organization was used with Max Holz, Chester Lichtenberg and A. J. Seibt as generals, and Warren Locker, Chief of staff. Robert Steck, William Kelsey, E. L. Locker, Carl Borchert, Frank Metrailer, Stewart Herring, A. S. Johnson, William Franke, William Brown, George Rekers, John Rockhill, Arthur Kabisch, A. L. Haycox, William Mueller, Wilbur H. Miller, Claude Gettys, Homer Miller were captains, and Richard Dierkes, Milton Bryan, George Waldschmidt, George Whitesel, Clarence Kreischer, Jacob Reiber, Robert Bender, Charles Speckman, Carl Bobay, Kenneth Mettert, John Hanna, Walter Knoche, Jack Herney, Matt Krebbs, Wayne Hardy Victor Cartwright, Robert Scherer, Fred Ellinger, Howard Fletcher, Fred Hullinger, Russell Frye, Ray Davis, Clare Knepple, Fred Schultz, William Birt, Arthur Wedler, Herman Smelser, Clark Shive, Howard Orr, John Schwartz, William Hosler, Ray Niblick, Ralph Clark, Joe Cline, Richard Vondran, Albert Kinsey, Ralph Rockhill, Lester Essig, Carl Jenkins, George Hicks, Harold Federspiel, Walter Bell and Roscoe Grover served as lieutenants.

As aid to the amateur salesmen in closing deals with interested prospects, a display of the domestic sizes of refrigerators was established in the gymnasium of the G-E Club at the Broadway Plant. To this display employees brought their prospects that they might see the refrigerators operating and get a direct comparison of size and storage space for foods. This display, of course, was open in the evenings after work and over week-ends for such times gave the employee-salesmen their only opportunity to carry on sales work.

General publicity in the campaign was secured by a float which visited different sections of the town. On a light truck a domestic model of the refrigerator was mounted and placards were displayed giving some of the reasons why General Electric refrigerators are so desirable in the home. Opportunity also was taken to promote sales at the big picnic of General Electric employees at Trier's Park on July 25. A tent was erected on the grounds to accommodate a refrigerator display. After darkness had fallen, one of the refrigerators



This Fire was Built Around a G-E Refrigerator at the G-E Club Picnic



The Refrigerator After the Fire.

which was on display was "burned at the stake." When the fire had burned low and the refrigerator had been cooled by water from a fire hose, the refrigerator was opened to show that the foods enclosed had not been affected by either the water or the heat. This fire and water tested refrigerator was later placed on display in one of the show windows of Wolf & Dessauer's store where passers-by marveled that the only injury to the refrigerator was that suffered by the exterior finish of the device. Still another unique display used in the campaign was that of the refrigerator placed in the open on the drinking fountain triangle in front of the Broadway Plant where it operated quite indifferent to the exposure to sunshine and rain.

At the end of the campaign the final check-up of results showed that 302 refrigerators had been sold at Fort Wayne. The employees headed by Arthur Kabisch as captain had credit for the most sales.

Beyond the actual sales of refrigerators made during this campaign, there is reason to suppose that our electric refrigerators have been brought effectively to the attention of hundreds of others in Fort Wayne who will some time act on their decisions to have G-E refrigerators installed in their homes.

Bldg. 21 Group Holds Outing

THE employees of Bldg. 21, who never fail to have a full turn-out for their special parties and outings, held one of their jolly get-togethers with their families at Mr. Freeman's cottage at Blue Lake on the evening of July 1. There was bathing and boating, Butch Vegalues serving as life guard and as the motive power for the boat rides. Some played barnyard golf, Dr. Garton and Will Melching claiming the doubles championship, even though Ed Witte says he is the best individual horseshoe pitcher in the crowd. There was also a beach ball game but it is said that the onlookers got the most fun from this sport. When the lunch was served everyone, young and old, came in for a full share. There was plenty of everything and if you doubt that the crowd enjoys watermelon just take a good look at this picture Neal Hench took of the affair. Those who made the arrangements were Annette Bauman and Neal Hench.

Edward Dubois Joins the Quarter Century Club

EDWARD DUBOIS, of the Meter Production Dept., is a new member of the Quarter-Century Club, qualifying by 25 years continuous service which he completed on July 10. Born in Switzerland and the son of a watch manufacturer, it was natural that Mr. Dubois should be trained in the watch making trade. On completion of the established five-year technical course in theory and practice of watch making, Mr. Dubois worked for a time at the trade in the factories of his native city. Then he went to England and because of his skill and training in watch manufacture was able to get a job in the meter department of S. Z. DeFerranti, Ltd., an electrical manufacturing concern located in the city of London. After some little time Mr. Dubois was made head of the Meter Dept. there, but later left this position to join the Reason Mfg. Co. of Brighton, England, which had just gone into the meter manufacturing business and were bringing out the Wright demand meter, an electrolytic type of ampere-hour-meter and a prepayment meter, one of the first ever manufactured.



Edward Dubois

In 1905 Mr. Dubois came to America. In New York City, where he had a brother in the electrical supply business he met John C. Lott, who was head of our New York Sales Office, and through Mr. Lott met James J. Wood who engaged him to come to Fort Wayne to see what improvement in our meters and manufacturing methods he might suggest.

From his experience in European factories Mr. Dubois was familiar with the use of gauges and as a result he suggested gauges be put into use in our Meter Dept. to overcome the serious difficulty of securing interchangeability of parts. Among other innovations which Mr. Dubois introduced was the open tailstock form of tool rest for small lathes which at his suggestion had been tried in a factory in England with valuable saving in time.

From the Meter factory Mr. Dubois was transferred for a short time to the Small Motor factory, but soon was given a position in the Meter Production Dept. where he since has been employed.

(Continued on page VIII)



Snapped at the Bldg. 21 Family Outing

Suggestion Awards Granted to 116 Employees

THE sum of $1005 was paid in suggestion awards during the period June 22 to July 18, inclusive, to 116 employees of Fort Wayne Works whose suggestions were found to be practical and of value to the Company in such ways as reducing the cost of materials, improving the design of our products, improving our methods of manufacture, or in reducing the possibility of injury to those here employed.



Doris Lontz
$100

Doris Lontz, a leading operator in the Fractional Horsepower Motor Division, Bldg. 17-2, secured the largest individual award on a suggestion she made of an improved method of tying the stator windings on the DR refrigerator motors. It is interesting to note that Miss Lontz had seen the need for a better method of tying these windings and had worked out a plan and turned it in as a suggestion before she was requested to try to work out some such scheme. The plan covered in her suggestion proved so practical when it was tried that the Suggestion Committee was able to present her $100 in award.

R. C. Hageman, Apparatus Production Dept., Bldg. 19-3, received $75 award on his suggestion that the painting operation be omitted on brush-holders made at Schenectady, some of which are used on apparatus manufactured here.

Raymond Brown, who is a set-up man on coil winding machines in the Transformer Division, Bldg. 26-2, suggested practical changes in the method of anchoring the leads on capacitor coils and received $65 in award.

R. L. Flightner, Order Dept., Bldg. 18-3, who in the past has uncovered many practical opportunities to substitute less expensive material was awarded $40 on a suggestion that semi-rough bolts be substituted for certain semi-finished ones used in the Apparatus Division.

E. E. Schoenlein, Meter Division Bldg. 19-4, received $30 award on his suggestion of an improved method of grinding the air gaps on magnets in the Meter Division.

Walter Konow, a tool and die maker employed in Bldg. 26-5, worked out a scheme whereby a smaller number of dies is sufficient for making refrigerator condenser coil supports, and he received $30.



Ralph C. Hageman
$75



R. L. Flightner
$40

C. E. McClain, of Winter St. Plant, found a practical use for certain obsolete sponge rubber in the Refrigeration Division and his suggestion relative to the matter brought him $25 in award.

Joseph M. Jenkins, of Bldg. 6-1, was presented $25 additional award on a suggestion he made that the marking of certain rotors and stators be done in the factory instead of in the Shipping Dept. where it previously had been done. The value of Mr. Jenkins' suggestion was not fully appreciated when it was adopted some time ago and as a result his original award was only $5.

The other awards made during this period are as follows:

S. J. Nyboer.....Bldg. 20-1 $5
Improvements to closet flush tanks in Bldg. 12-2 and 12-3.

George I. Fields.....Bldg. 19-3 $5
Changes to certain apparatus patterns to eliminate chipping operations on the castings.

John B. Dennis.....Bldg. 19-1 5
Changes to certain coil formers to facilitate the assembly of coils on the poles of apparatus.

Charles Scott.....Bldg. 20-1 5
Providing a special device to aid in drilling holes in ceilings.

R. F. Vorndran.....Winter St. 5
Providing protection for the SO_2 gas line at Winter St. Plant.

H. G. Kappel.....Bldg. 19-3 5
Use of rolled steel instead of castings per pattern 4274.

R. C. Hageman.....Bldg. 19-3 5
Purchasing screws per drawing V-2425342 from Schenectady.

L. F. Krumbigel.....Bldg. 19-2 5
Including marine treatment instructions on schedules for armature cores in the Apparatus Division.

R. C. Hageman.....Bldg. 19-3 10
Make nut V-1415454 in the Apparatus Division.

Arthur E. Duhamell....Bldg. 26-1 5
Installation of clamps to hold test plugs in receptacles at Transformer test in Bldg. 26-1.

Howard Shipman.....Bldg. 26-1 5
Installation of bench lights at assembly in Bldg. 26-1.

H. M. Russell.....Winter St. 5
Improvements at wash tank in Bldg. 1-1, Winter St. Plant.

W. J. Mendel.....Bldg. 26-B 5
Installation of guard rail at ladders leading to flashback in Bldg. 27.

Howard Shipman.....Bldg. 26-1 5
Installation of soldering iron holders at conveyor in Bldg. 26-1.

Hubert E. Myers.....Winter St. 5
Improvements at test tanks in Bldg. 2, Winter St. Plant.

Arthur E. Duhamell....Bldg. 26-1 5
Installation of stop at conveyor in Bldg. 26-1, Transformer Division.

Emmett H. Heitler.....Bldg. 21 5
Changes in the methods of winding certain armatures in the Fractional Hp. Motor Div.

(*Continued on page 15*)



E. E. Schoenlein
$30



Walter Konow
$30



C. E. McClain
$25



Joseph M. Jenkins
$25

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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Toes and Tribulations

FROM the standpoint of accident hazards, toes may be defined as the parts of the human anatomy most prone to make violent contact with objects which lie in the way and the least likely to get in the clear of objects which fall. Bearing out the truth of such definition we find the inspiration for such definition is found in the following facts from our accident records here at the G. E.

Year 1928—foot fractures 15, of which 10 involved toes.

Year 1929—foot fractures 23, of which 20 involved toes.

Year 1930—foot fractures 17, of which 16 involved toes.

To date 1931—foot fractures 9, of which 8 involved toes.

Although the position of the toes subjects them to these unusual hazards their position at the same time makes their guarding from injury a particularly easy matter. Shoes with strong protective caps will generally save the small bones of the toes from injury in striking against objects and from being crushed by objects which fall.

Neat protective footwear in soft light-weight leathers and of styles such as men generally prefer can now be secured at our Employees Store. In appearance and comfort you can not detect them from any similar shoe made for dress wear, yet when they have served well for this purpose they make unusually sensible shoes for wear in the shop. If a majority will wear them there will be a marked reduction in foot fractures and consequent suffering, and a surprising reduction in needless lost time. If you haven't seen these new shoes at the Employees Store watch for the display of them which is to be made in all sections of our factory. You will be pleased by the remarkably low price at which the different styles can be secured.

Absent Employees

James Stover, Small Motor Dept., Bldg. 4-2, and Roy B. Meeks of Winter Street Plant, are patients at the St. Joseph hospital where they underwent operations recently. The latest reports are that they are getting along nicely.

Hope Hatfield, Meter Dept., Bldg. 19-4, is a patient at the Lutheran hospital recovering from a recent operation.

William Buuck, General Service Division; Velma Vincent, Transformer Dept., Bldg. 26-1; Clarice Waldman, Ruth Ormiston and Frieda Mee of the Fract. Hp. Motor Division, and Jacob Model, Winter St. Plant, are at their respective homes recovering from recent operations.

Cleo Krohne, Bldg. 4-4; John Sowers and Charles Bogenshutz of Bldg. 20-1; Olene Shady, Bldg. 4-3; Lillian McMichael, Bldg. 4-2; Elizabeth Haiflich, Pearl Jenkins, Ina Nahrwold, Wavie Yeoman and Janice Chasey all of Bldg. 17-2, and Wilmer Golden of Winter Street Plant are unable to be at work on account of sickness.



Shoes Which Shine, Please and Protect

At Employees Store

Dress style Oxfords in polished, soft, lightweight black leather—
$3.75 per pair.

Dress style high shoes in polished, soft, lightweight tan or black leathers—
$3.90 per pair.

Wear New Ones for Sundays
Wear Old Ones for Work

Charles Dishong Receives Pension

CHARLES DISHONG, who has been a helper in the Developmental Tool Dept., Bldg. 17-4 under Foreman Ray Renfrew for the past 10 years, was granted an optional retirement pension effective July 4 and accordingly retired from active service on that date. Mr. Dishong, who is 69 years of age, has been a G-E employee here since Sept. 7, 1907. During these years he has worked in a number of different departments on such assignments as oiler, painter, crane man, helper, etc., and accordingly is known to many employees of the Broadway Plant. Mr. Dishong has been utilizing his first weeks of leisure in painting and generally fixing up his comfortable little home which he built some years ago at 4105 Tacoma Ave.



Charles Dishong

Edward Dubois Joins Q. C. Club

(*Continued from page VI*)

Last summer, in company with his son, Mr. Dubois returned for a visit to his native land. It was interesting to him to observe that watches are still the outstanding product of the town in which he was born and that the methods are much the same as when he left Switzerland some 45 years ago.

Announcing a New Battery Radio For Unwired Homes

New G-E Radio Uses Screen-grid Superheterodyne Circuit—One of These Sets Furnishes Recreation For Officers and Crew of U. S. S. "Constitution"

FOR the person whose home is unwired and who would like the advantages of Full Range superheterodyne performance, the General Electric Company introduces a new Battery Console Radio.

This new receiver is an adaptation of the G-E Junior so arranged as to operate with practically the same performance from battery supply as the Junior gives from a-c. supply. The same screen-grid superheterodyne circuit, which is a new idea in battery sets, is used, giving sensitivity and selectivity far better than any previous sets.

The new two-volt tubes are used throughout and the receiver is operated from the new two-volt air cell battery, which gives long life without the necessity of recharging. With this advantage and the use of large size B batteries the receiver, with ordinary use, will operate for approximately one year without battery attention.

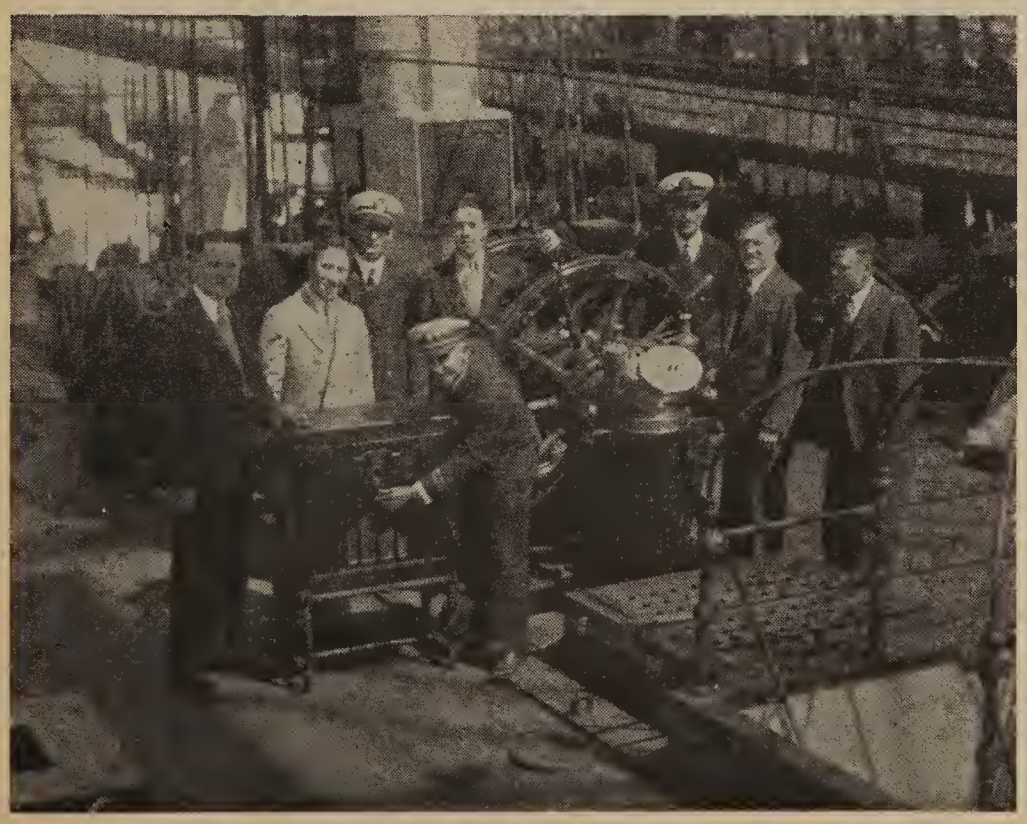
A new type of dynamic speaker, having a permanent magnetic field, has been designed and will incorporate in this model a new standard of tone quality for battery-operated sets. Previous battery-operated sets have been used in conjunction with magnetic speakers, with consequent loss in tone fidelity.

This receiver will be housed in a Lowboy Console cabinet sufficiently large to contain all of the necessary battery equipment, making the installation a complete unit comparable to a-c. receivers.

The U. S. Frigate *Constitution*, having won her latest battle, that against the ravages of time, has put to sea again and aboard her is one of these new G-E Battery Console Radios. The course of the *Constitution* will carry her along the Atlantic seaboard past many of the scenes of her former triumphs, where she held sway and gained the reputation that has made her one of the most outstanding vessels in the United States Navy. Her historic conquests, which proved notable contributions to the birth and maintenance of American liberty are well known to every patriotic citizen, particularly those whose generosity made possible the restoration of *Old Ironsides*.



The New G-E Battery Console Radio



Trying Out the G-E Battery Console Radio Aboard the U. S. Frigate *Constitution*

Because of the necessity of maintaining a schedule the ship is in the tow of a Navy tug, despite her log record showing her ability to better 12 knots. She has no power aboard and lighting at sea is supplied by oil lamps or dry battery lights. As a result, our Company, in installing a radio for the entertainment of the officers and crew, placed aboard a newly developed type of superheterodyne battery receiver, which was primarily designed for rural homes without electric power supply.

Commander Louis J. Gulliver, commanding officer, has reported excellent reception on this set, which provides the main means of recreation during the long hours at sea. The antenna, running up the main mast, is lost in the maze of superstructure and rigging which stretches above the ship like a cobweb.

"The Initials of a Friend"

New York-to-Budapest Flyer Presented G-E Fan to His Mother Before Leaving on Famous Flight

WHILE the powerful monoplane "Justice for Hungary" roared its way over the desolate wastes of the gray Atlantic Ocean, back in Cincinnati, Ohio, an invalid mother sat in bed with a prayer book and a newspaper in her lap. She was Mrs. John Endres, mother of Captain George Endres, the New York to Budapest flyer. Outside the house, the city sweltered in the summer heat but in the room an electric fan sent cool currents of air playing across the bed. A reporter from the Cincinnati *Times-Star,* bringing news of the flying son, called at the house. He told the mother that the plane "Justice for Hungary" had been sighted over Vienna.

"Ueber Wien," (over Vienna) exclaimed Mrs. Endres joyfully. "Then in an hour or so they will be in Budapest."

The reporter noticed the fan and he moved his chair so as not to obstruct the breeze that was playing on the mother.

"You have a fan there," he remarked.

"Yes, my son gave that to me last month when he paid us a farewell visit before his flight. He flew here to Cincinnati from Detroit in his airplane and brought me that fan as a summer gift. It has his initials 'G. E.' on it. You see them there, standing for George Endres, he said, although it is a fine General Electric fan. It has been a delightful gift for the breeze it sends me in this hot weather is a constant and pleasant reminder of my son, especially since I am confined to bed and cannot get out for the fresh air."

Thus, while all of Hungary is turning out to shower its enthusiastic acclaim on George Endres and Alexander Magyar, his flying companion, Mrs. John Endres sits at home reading in the daily newspapers of the honors bestowed upon her son. And, if her gaze chances to rest upon the fan that is silently cooling the room, she can see in the G-E Monogram, the initials of her son, and likewise,—"the initials of a friend."

Orders Received and Earnings

ORDERS received by the Company for the first six months of 1931 amounted to $141,428,978, compared with $197,229,346.82 for the corresponding period last year, Gerard Swope, president, announced recently.

Sales billed for the six months of 1931 amounted to $141,180,091.13, compared with $197,229,346.82 for the corresponding period last year.

Profit available for dividends on common stock for the first six months of 1931 was $21,523,722.88, compared with $29,273,276.14 for the first six months last year. The profit available for common stock for the six months is equivalent to $.75 per share in 1931 and $1.01 per share in 1930 on the 28,845,927 shares outstanding in both periods. The quarterly dividend is 40 cents a share.

The stockholders to whom the July dividend is to be distributed total 133,163, compared with 116,750 at the end of 1930 and with 88,408 a year ago, an increase of 50 per cent over a year ago.

Comparative statement of sales and earnings for the six months follows:

	1931	1930
Net sales billed	$141,180,091.13	$197,229,346.82
Less: Cost of sales billed, including operating, maintenance and depreciation charges, reserves and provisions for all taxes	124,761,555.48	174,174,425.98
Net income from sales	$ 16,418,535.65	$ 23,054,920.84
Other income, less interest paid and sundry charges	6,392,685.53	7,505,824.05
Profit available for dividends	$ 22,811,221.18	$ 30,560,744.89
Less: Cash dividends on special stock	1,287,498.30	1,287,468.75
Profit available for dividends on common stock (28,845,927 36/100 shares issued)	$ 21,523,722.88	$ 29,273.276.14

Safer to Work Than to Play

By C. M. Ripley

RECORDS of the Safety Committee show that in the last five years 47 employees have met violent death while at work. Records of a group life insurance show 155 employees met violent deaths while away from work.

So it is more dangerous to play than to work. That is, you are 3 1/3 times as likely to meet a violent death while you are motoring, swimming, fishing, boating, etc., than you are in your regular job. And these figures cover the last five years.

Or putting it another way, for every G-E employee in factories, offices, and service shops that has been killed while at work in five years, 3 1/3 employees have been killed outside. None of these figures above include natural deaths, or deaths from serious illness.

This year up to July 29, only two G-E employees have been killed while at work. G-E employees are to be congratulated upon the care which they have exercised while at work this year. If everyone keeps on being safe; if everyone refuses to take a chance, the safety records in our factories and offices will probably stand as a landmark in American industry.

Up to July 30 this year, 16 employees have met violent deaths while away from work, including eight killed in auto accidents and three drowned. So in 1931, so far, it has been eight times as dangerous to play as to work.

X-Rays at 900,000 Volts

Apparently No Voltage Too High for Use in X-Ray or Cathode-ray Work, Says Dr. Coolidge.

THERE apparently is no voltage too high for use in x-ray or cathode-ray work, Dr. W. D. Coolidge, associate director of the G-E research laboratory, told members of the American Association for the Advancement of Science recently. By cascading, or applying the total voltage in a series of steps, he said, any voltage that can be generated may be used. In Memorial Hospital, New York City, there has been installed a two-section x-ray tube operating at 900,000 volts and five milliamperes of current and a three-section cathode-ray tube operating at the same voltage has also been made in the G-E laboratory at Schenectady. Both of these tubes operate continuously at a voltage far higher than any attained in a single-section tube.

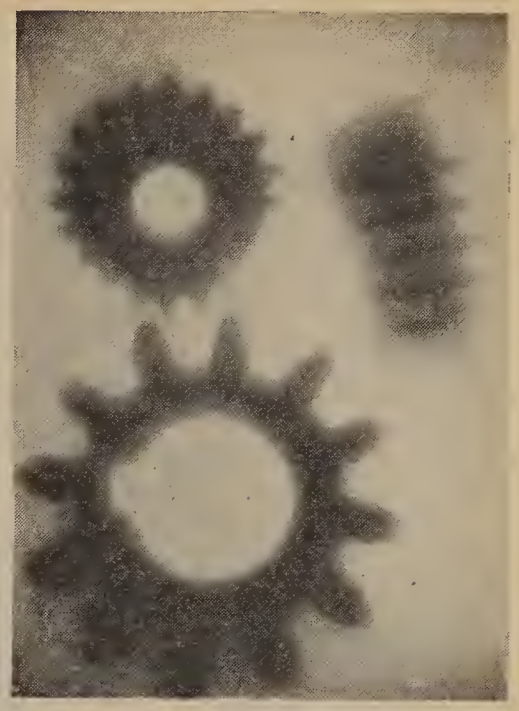
In the industrial field it seems almost certain that such high-voltage x-ray equipment will be used for radiographic, or x-ray, examination of thick sections of metal, Dr. Coolidge stated. He predicted that, in the future, x-ray or cathode-ray tubes for very high voltages will be operated while immersed in the same oil with the high-voltage source (such as an induction coil), and with no portion of the high-voltage circuit exposed to the air. Such a tube can be smaller and there will be a great reduction in space occupied by the equipment.



Placing the Objects to be X-rayed, in This Experiment They Happen to be Gears, in Position.



The 900,000-volt X-ray Tube in the G-E Research Laboratory at Schenectady.



This Picture Was Made in 30 Seconds Through Four Inches of Steel.

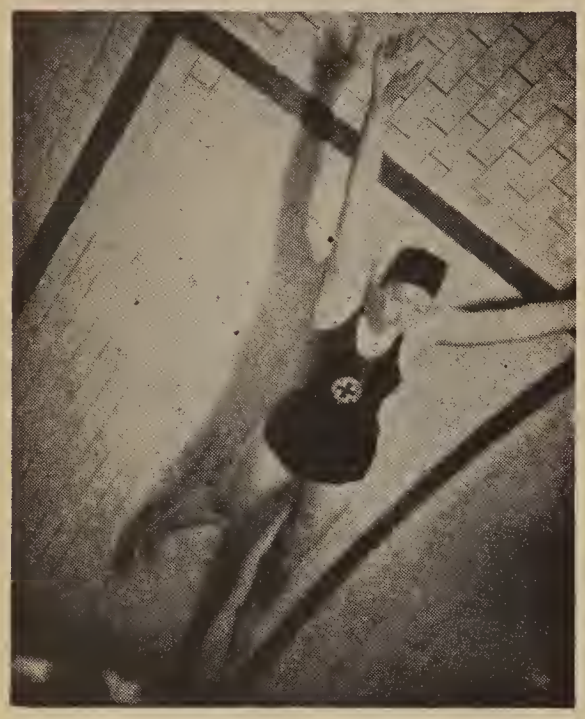
Elimination of electric hazard would be a further advantage.

In the paper presented by Dr. Coolidge, with L. H. Dempster and H. E. Tanis, Jr., of the G-E research laboratory as co-authors, numerous recommendations were made bearing on tube design. The effect of bubbles in the glass, the proper size and thickness of the bulbs, the design of the electrodes, methods for magnetically focusing the beam of rays, and construction of the high-voltage generators were among the points discussed.

Keel of New Turbine-Electric Drive Boat Laid

THE keel of the first of four steamships to be built for the Panama Mail Steamship Company at the Kearney, N. J., yards of the Federal Shipbuilding and Dry Dock Company, were laid recently. Each will be 508 feet long, 72 feet beam, have a deadweight capacity of 16,600 tons, and a loaded speed of 19 knots. Each will be propelled by two 6000-hp. G-E geared turbines, and the auxiliaries will be electrified with G-E equipment. The ships will operate between San Francisco and Los Angeles and New York. Their construction follows the awarding of a mail contract by the United States government to W. R. Grace & Co.

The G-E News Reel



Under seven feet of water. This unusual photo was taken in the Cleveland Y. W. C. A. swimming pool with the aid of a single G-E photoflash lamp.



"Batter up." Night baseball comes to the citizens of Atlanta, Georgia, through the installation of G-E floodlighting projectors.



Harold Gatty, Wiley Post, and M. P. Rice, manager of G-E broadcasting. Post and Gatty recently spoke to friends in Australia over Station W2XAF, the G-E short-wave station.



Lightning rods protected this miniature gas tank from bolts of man-made lightning during recent tests in the High Voltage Laboratory at the G-E Pittsfield Works.



Royalty visits the House of Magic. King Prajadhipok of Siam and Dr. W. R. Whitney of the G-E research laboratories examine a small Thyratron tube "organ."



It is always fair weather for these canaries. A G-E sunlamp mounted on top of their cage makes every day a sunny day.

Around the World with General Electric

China

China, it is said, is the rendezvous of every lamp manufacturer in the world. Despite the keen competition arising from the large number of lamp importers in that country, G-E Mazda lamps have sold exceedingly well the first four months of 1931. G-E miniature lamps for flashlights have been much in demand during the disturbances in southern China. When towns are attacked, invariably power companies are paralyzed and flashlights take the place of street lighting. Hundreds of thousands of small bulbs are sold throughout the war-torn country under these conditions.

Cleveland

Seven feet of "blue water" was no barrier to picture taking beneath the surface of the swimming pool in the Cleveland Y. W. C. A. recently. A single G-E Mazda photoflash lamp lowered beneath the surface of the water flared its nearly one-half million candlepower of light and the camera, also submerged, snapped the photo. In the past, such photography has been practically impossible, inasmuch as the flare cast by flashlight powder does not penetrate the surface of the water, the surface reflecting the light and not transmitting it.

Atlanta

The citizens of Atlanta, Georgia, have been watching night football games ever since G-E floodlighting equipment was installed at the Georgia Tech stadium two and one-half years ago. Now the sport fans are able to witness the "Crackers," Atlanta's baseball team, in action at night. G-E floodlighting apparatus has been installed at the ball park and during the first week after the installation, the "Crackers" played five games at night and two in the afternoon. Attendance averaged 8000 persons at the night games and 1600 at the afternoon games.

Australia

Large scale orders for kitchen equipment, originate as a rule, with hotels and restaurants, but the Commonwealth Bank of Brisbane has recently installed extensive G-E electric kitchen apparatus to care for the appetites of its hungry workers. The outfit includes range, boiling table, hot cupboard and bain-marie, a hot top, soup bain-marie, stock pot, coffee urn, refrigerator, and hot water services.

Schenectady

A recent visitor to the House of Magic was His Majesty King Prajadhipok of Siam. The King was keenly interested in the recent electrical developments displayed for his benefit in the G-E research laboratories and discussed electrical problems of his own country. Incidentally, the Siam Electric Corporation, Ltd., of Bangkok, one of the largest firms in Siam dealing in electrical equipment, is an excellent G-E customer.

West Haven, Conn.

The first commercial application in this country of the photoelectric "eye" in automatic door opening has been made in Wilcox's Pier Restaurant at Savin Rock, West Haven, Conn. Waitresses passing to and from the kitchen interrupt a beam of light shining across their path and thus, through the agency of a photoelectric relay, cause a compressed air device to open the door. The door closes automatically behind them. The mechanism employs a G-E photoelectric relay mounted in a special case.

Schenectady

Wiley Post and Harold Gatty, heroes of the latest around-the-world flight, were recent visitors in Schenectady. During their brief visit, the noted pair spoke to friends in Sydney, Australia, over W2XAF, the G-E short-wave station. The parents of Harold Gatty, who still reside in Tasmania, although unable to take part in the conversation, heard their son's voice through a re-broadcast from Sydney.

New Zealand

Electricity and those connected with it played an important part in alleviating distress after the recent earthquake and fire in New Zealand. All electrical equipment that could be made available was used for every possible need, including hospital lighting and emergency hot water appliances. Much G-E equipment for heating and cooking has been installed in homes during the rebuilding process, many housewives preferring the installation of modern kitchen appliances to the erection of chimneys. Orders for G-E apparatus for industrial purposes have also been received from the stricken districts.

Cleveland

The daily routine of canaries, like that of human beings, allows them but little time to bask in the sunshine. Hence, up to the time that L. C. Porter of the G-E Nela Park Engineering Dept., Cleveland, solved the problem by supplying individual G-E sunlamps for his canaries, the only method of helping the birds to their much-needed vitamin D was by mixing cod liver oil with their food. Now, not only do the sunlamps aid in keeping the birds in a healthy condition, but they also give the cages an exceedingly attractive appearance both by day and by night. The birds seem to enjoy the warm light and they perch in the top of the cage close to the lamp.

Philadelphia

Suburbanites commuting over the Reading Railroad will save time in getting home to their evening meals in the future. On recently electrified sections of this road, an increase in speed of from 15 to 25 per cent has been made available to passengers. The electrified tracks total 63.1 miles, over which 70 cars, each seating 86 persons will run. For the installation, G-E has supplied motors, transformer equipment, circuit breakers, blower sets, substation and supervisory control equipment.



Three Years Ago a Dream—To-day, Reality

Radburn, N. J., Has Solved the Traffic Hazard—Wiring in this Model Town Is of G-E Specification and Manufacture

HERE is a town, free from traffic hazards, whose homes are set among gardens and parks, and whose business sections have been especially designed to enhance the architectural beauty of the community. Three years ago this town was just a dream such as city dwellers delight in; today it is reality.

Radburn, New Jersey, situated 13 miles from New York City has come into being. This unique town is laid out so that footwalks are located away from motor ways and so that residents can walk about the city without crossing streets in the path of automobiles. Bridges and underpasses span the streets. This plan makes the ground in front of the homes join to form a park broken only by the footpath.

During the last two years 263 homes have been built, 60 two-family houses, a 93-family apartment house, a store and office building. Because the city was planned as a unit, its homes all blend harmoniously in their grouping to make attractive streets. Homes, apartment houses, and business buildings erected in the future will follow the original layout.

The same forward-looking skill which brought about Radburn's safety street plan has been devoted to the construction of its homes and other buildings.

The electric wiring installed is outstanding in its provision for the possible future needs of residents as well as their present requirements. Wiring in the homes, the apartment house and the office building follow G-E specifications. Wiring materials are of G-E manufacture.

Approximately 300,000 feet of G-E BX was required in wiring the houses. G-E white (hot-dipped, galvanized) conduit was used to carry wires in the office building and in the apartment house.

The houses were built 20 at a time with construction work so planned that three crews of electricians were able to follow one another as building progressed. The first crew did the roughing; the second installed switches and receptacles; and the third installed the fixtures. Following this last crew which completed the wiring job, an inspector tested each circuit with a magneto in all houses which were completed before the electric lines into the town were installed.

Particular attention was given to the number of convenience outlets needed, and to their location. Outlets were placed wherever appliances could be used to advantage. These outlets are on circuits separate from those bringing current to the ceiling fixtures. A minimum of four circuits was used in wiring each house. Each circuit is capable of providing current for 1000 watts.

Radburn was developed by the City Housing Corporation. Its safety street plan and its buildings have attracted the attention of town planning experts, architects, engineers, and municipal officials from all parts of the world.

Why Not Suggest it Now?

Electricity—The Perfect Fuel For Home Heating

Fort Wayne Home Electrically Heated All Winter For $155—No Dust or Noise

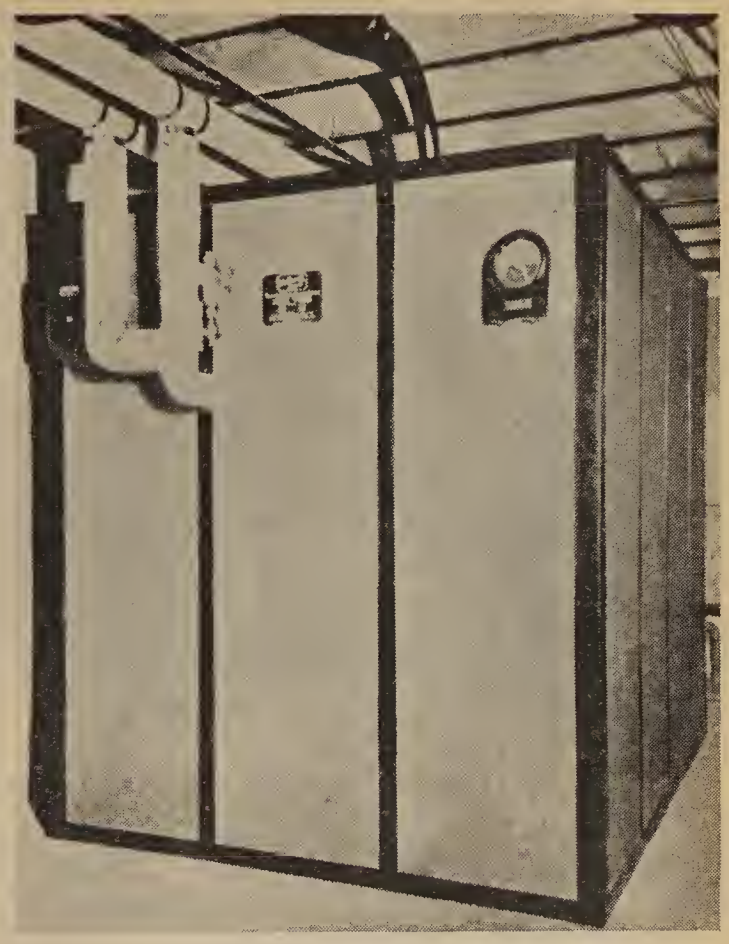
BEN FRANKLIN was the first American to conceive the idea of doing the humdrum, day-by-day things of ordinary life by electricity. About 1750 he wrote to some friends of his, proposing an electrical banquet to be held on the banks of the Schuylkill River.

"A turkey is to be killed for our dinner," he told them, "by the electrical shock and roasted by the electrical jack before a fire kindled by the electrical bottle, when the healths of all the famous electricians in England, Holland, France and Germany are to be drunk in electrified bumpers, under the discharge of guns fired from the electrical battery."

But today, if Franklin were alive, he would discover many Americans doing almost everything electrically, and he would find scarcely any who did not do something electrically. Impelled by his keen interest in such things, he would hasten, perhaps, from Philadelphia to Fort Wayne, Ind., to inspect a home that was heated all last winter by an electrical heating system. And he would find, too, that this home contained every facility for an all-electrical dinner, to be cooked on the premises in a G-E range, using food preserved by electrical refrigeration and eaten, not on the banks of the river, but in the comfortable atmosphere of electrical heat, if it chanced to be the winter season. The heating of the house electrically is the newest contribution to the all-electrical home idea.

All last winter, from October 15 to April 15, the heating of this Fort Wayne home was accomplished with unfailing success, and the cost of thus warming the 12,400 cubic feet of space in the house for that period was $155. Many people in northern regions are paying close to that today for fuel—with stoking, ash removal, dust, soot, and grime added as intangible but very definite items in the bill.

Chester I. Hall, formerly an electrical engineer with the General Electric Company, introduced this scheme of electrically heating houses on a practical basis of cost.



An External View of the 600-gallon Tank Used for Home Heating



The Fort Wayne Home that was Heated Electrically All Last Winter

Hall took into account that "some genius in communication" had conceived of the night letter in telegraphing and the night rate in telephoning—service during a "non-rush" period when most telegraph keys and telephone switchboards are comparatively idle. He designed his system on this principle and with the aid of his new device developed it into a feasible proposition.

During the non-rush, or "off-peak" period—and at no other time—electric current, passing through heating coils, heats the water of a large, well insulated thermal tank to 250 degrees Fahrenheit. The tank holds 400 gallons in the small size, or 600 gallons if in the large size At this initial temperature the heat of the water is easily maintained, even in the coldest weather, during the succeeding day and evening, or until the next period of reheating. The hot water is automatically circulated through the radiators as needed, and electric thermostats maintain the warmth of the rooms at a uniform temperature. If the house is heated by hot air, the hot water from the tank is circulated through an air heater and a fan

(Continued on page 8)



The Bean Sorter at Work

The Photoelectric Tube Knows Its Beans

IT USED to be a term of reproach to say of a person, "He doesn't know beans."

It can't be said of a device designed, in association with General Electric, by Hammerslag & Tinkham of Grand Rapids, Mich. It *does* know beans, and it knows how to separate brown or dark colored ones from white, the former being undesirable from a market standpoint.

The device utilizes the photoelectric tube, and the Thyratron tube.

The beans to be sorted are fed into a hopper, beneath which is a drum, with a number of small apertures around its circumference. A suction arrangement continuously draws air through these apertures, and the beans are thus picked up by suction and carried on the edge of the drum. The drum carries them around to the "sorting eye," a mechanical "patter" adjusting them to the proper position for inspection on their way to the "eye." The drum moves by jumps, thus making provision for a brief period during which the bean stops in front of the "eye," and so preventing any shadows from interfering with the efficiency of the sorting.

The device is so arranged that when a white bean passes in review, it is permitted to go on. This is accomplished by providing a beam of light which falls on each bean as it pauses momentarily before the "sorting eye." This beam is reflected on to the photoelectric tube.

If the bean is white, the quantity of light reflected is such that the amount of electric current passing through the tube is not affected; but when the beam strikes a dark bean, the amount of light reflected is materially diminished. This decrease in current affects the output of a pair of amplifier tubes and "trips" a Thyratron tube used as a relay, thereby bringing the latter into action. This, by means of a magnet, causes a metal finger to flick the bean from its place on the drum into a chute through which it drops into a receptacle for rejects.

The device is expected to be of great value to the bean industry. Commercial application of it is being made by the Electric Sorting Machine Company, a corporation formed to introduce it. A new elevator is to be built which will house a battery of 200 of the sorters, and it is estimated that such an equipment will easily sort at least a carload (approximately 40,000 pounds) of beans per day.

Some idea of the importance of the bean crop may be had from the fact that a total of over 17,000,000 bushels valued at more than $50,000,000, was raised in the United States in 1926. The states which lead in growing this crop are Michigan, California, New York, Colorado, Idaho, New Mexico, Montana, and Wyoming.

Electricity—the Perfect Fuel in Home Heating

(Continued from page 7)

blows air through this heater and then into the air passages of the house. Hot water for faucet use is provided by a separate tank in which the temperature of the water is also 250 degrees, but, as it passes to the faucet, a mixing valve adds enough cold water to reduce the temperature to 130 degrees. By this method, the size of the tank and its cost are both reduced.

And all this is part of the vision described by Steinmetz, the electrical seer, when he wrote, a few years before his death, that the day of the all-electrical home would surely come. He meant literally a home in which every single household function is electrically performed.

"We call this the electrical age—but it isn't," said Steinmetz. "The electrical age is yet to come. In that time, electricity will do for everybody all that it can do for anybody. And it will do innumerable things for us of which we have never dreamed. For the electrical age is yet to come. And it will be a great age."



This picture shows an interesting example of the nicety with which very fine materials can be welded by the atomic hydrogen method. The material is fine screen gauge woven of monel metal wire and the weld was made in the G-E Chicago Service Shop.

First the Electric Eye— Now the Electric Finger

G-E Research Laboratory Develops Apparatus To Feel How Much Moisture Lumber Contains



Testing Lumber for Moisture with the Aid of "Electric Fingers"

"IS THIS lumber well seasoned?" Until recently, a lumber dealer would answer the question by sawing blocks from the boards and putting these blocks through tests generally lasting a week. But now, through the aid of "electric fingers," an instrument developed by Dr. C. G. Suits in the G-E research laboratories and M. E. Dunlap in the United States Forest Products laboratory at Madison, Wis., dealers are able to ascertain within a few seconds whether or not lumber is well seasoned.

The electric fingers are the knife-edged electrodes of a new style of "hammer" and are driven into the wood by a slight blow. They form part of an electrical circuit which consists of condensers, neon tubes and a dial. The condensers build up their electrical charges according to the conductivity of the wood. This is determined by its electrical resistance, which depends upon its moisture content, a relationship long known. When the condensers have built up to a certain point, the two neon tubes give forth red flashes and the dial of a variable condenser thereupon shows the percentage of moisture in the lumber.

This new device is so compact that it requires only a portable metal case. Thus it is easy for the inspector to move about over a lumber pile, or to test different sections of the same board. The electrodes, or "fingers," are driven into the wood only slightly, and hence do not damage the lumber. The hammer is double-faced, and the electrodes on opposite faces are at right angles, so that the operator can easily work either at the side or at the end of a lumber pile.

There is provision for obtaining an audible signal through earphones instead of the visual signal of the neon lamps. This permits the tests to be made on a day when the sunlight is too glaring to permit the flashes of the tubes to be easily detected. The electricity source of the instrument is a battery rated at 135 volts and having a life of about a year. No calibration of tubes is necessary as both operate from the same battery.

In the lumber business, the strength and dimensions of the wood depend on the moisture content. The lower the moisture, the better the wood, since that means that the lumber is well seasoned. To be able to accurately ascertain in far less than a minute's time whether or not a lot of lumber or a particular board is sufficiently seasoned is expected to be a great boon to lumber dealers. It is consequently predicted that the electric finger will be a welcome arrival.

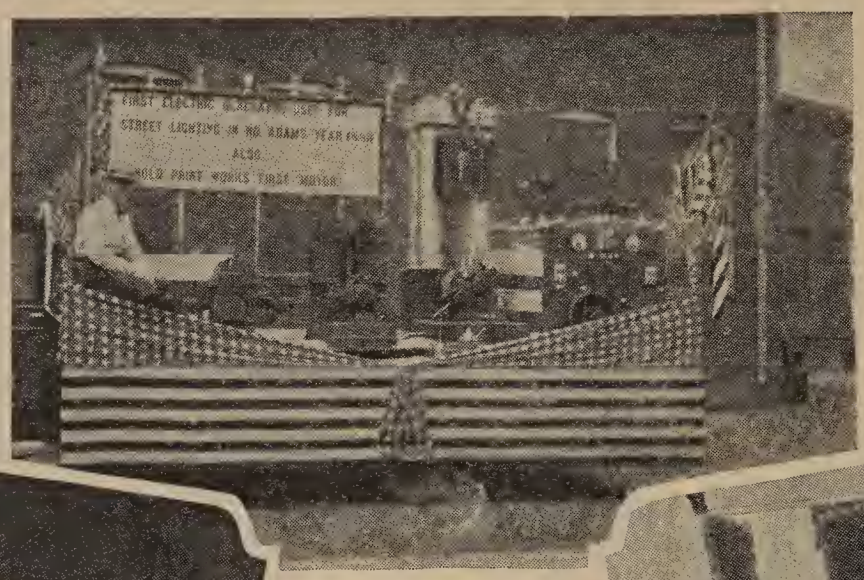


NOT FLOODLIGHTED BUT PHOTOFLASHED

Here's an interesting example of the widening uses for the new G-E Mazda Photoflash lamp—a photograph of the Service Building at Nela Park taken by the light of 20 of these lamps. The picture is to be used in an advertisement in *Fortune*.

This building is not floodlighted at night, but in the picture it looks as if it were. The explanation is that the light emitted by the 20 lamps—total of several million candlepower—illuminated the building just as the shutter of the camera was opened, thus giving a floodlight effect. Anyone who wishes to know how his home, store, factory building, etc., would look if floodlighted has only to take a picture by the aid of these lamps.

Snapped By the G-E Photographer



A G-E generator and motor on their way to the Ford Museum after 47 years of faithful service in North Adams, Mass.



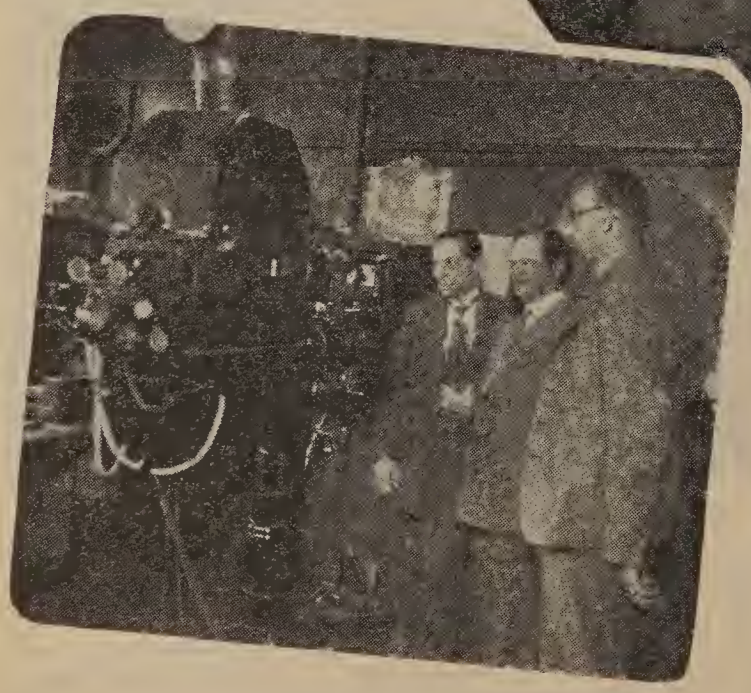
Walter L. Greene, G-E artist, beside his painting of the S.S. "President Hoover," new Dollar electric liner. The painting will be presented to Capt. Robert Dollar, head of the Dollar lines.



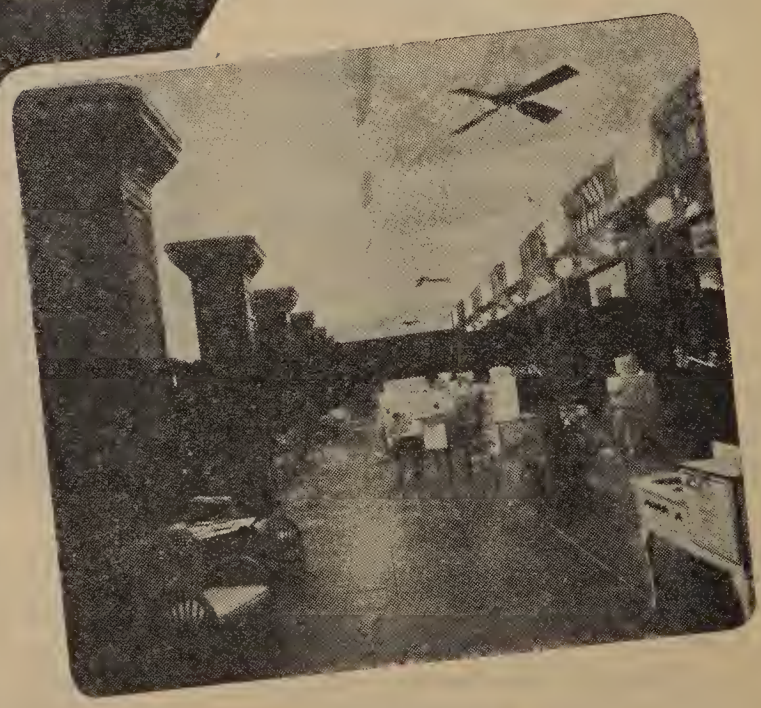
Below: the city of Beverly Hills, Calif. has erected this G-E fountain in a public park.



A G-E photoelectric door opener in action at Wilcox's Pier Restaurant, Savin Park, West Haven, Conn. The white line in the photo represents the beam of light focussed on the photo-electric tube.



In the G-E research laboratory during a recent attempt to televise to Germany. Dr. Shaeffer, left, and Dr. Reichardt, right, of the German Broadcasting Company, with Dr. Alexanderson, of the G-E research laboratories.



The interior of the Manilla Electric Light Co. which handles G-E refrigerators exclusively. This firm also sells many other G-E products

G. E. Group Insurance Payments Are Above General Average

ACCORDING to one of the leading life insurance companies, the average death claim under group insurance in 1930 was $1896, as compared with $770 the first year of group insurance, less than 20 years ago, an increase of over $1000 during the period.

In contrast to these figures, the average amount paid under the General Electric Plan during 1930, including the Free and Additional, was $2636, or $740 above the general average.

From the beginning of the General Electric Plan in January, 1920, to June 30, 1931, there was paid to beneficiaries of 3468 former employees, and to 409 disabled employees, the sum of $7,377,507, an average of $1903 for each claim during the entire period of 11½ years.

Philadelphia Leads in Safety Contest

THE Inter-Works Accident Reduction Contest at the end of June shows Philadelphia and Erie leading Divisions 1 and 2, respectively. The standings of the various plants follow, an asterisk denoting improvement over the previous month:

Division 1	Division 2
*Philadelphia	*Erie
*West Lynn	Bridgeport
Meriden	*Bloomfield
*Oakland	ALL PLANTS
*Fort Wayne	Schenectady
*Pittsfield	*River Works

G-E Equipment in New Buenos Aires Post Office

A NEW post office building, recently erected in Buenos Aires, contains spacious halls and corridors of architectural beauty and artistic design. Highly modern equipment in the way of conveyor systems for handling the great mass of incoming and outgoing mail has been installed. The complete mechanical installation is driven by G-E electrical equipment.

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of June 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
1931							
7	Feb. 27	John J. Wall	40	Pending		Sister	Yes
38	May 4	Susie Frank	52	Pending		Sister	Yes
1	May 22	Stanley W. Czaplicki	28	Mother	Yes	Mother	Yes
21	June 4	William H. Hughes	55	Wife	Yes	Wife	Yes
15	June 5	John Pelyo	62	Wife	Yes	Wife	Yes
River Works							
10	May 13	Walter Duda	37	Sister	Yes	Sister	Yes
21	May 28	Patrick J. Kennedy	54	Wife	Yes	Wife	Yes
13	May 30	John Papi	36	Wife	Yes	Wife	Yes
Pittsfield Works							
8	June 19	Charles R. Miller	47	Wife	Yes	Wife	Yes
21	June 19	George E. Pierce	56	Wife	Yes	Wife	Yes
Ft. Wayne Works							
1	May 24	Mamie Foley	41	Sister	Yes	Sister	Yes
22	June 17	William C. Dreibelbiss	46	Wife	Yes	Wife	Yes
Bloomfield Works							
10	June 21	Charles Miller	52	Wife	Yes		
Merchandise Dept.							
1	May 29	Rose J. Boehm	23	Mother	Yes	Mother	Yes
Philadelphia Works							
8	May 15	Benjamin F. Feelemyer	55	Wife	Yes	Wife	Yes
General and District Offices							
12	May 26	Paul M. Waehly	43	Wife	Yes	Wife	Yes
1	June 17	Benjamin Lampson	37	Father	Yes	Father	Yes
10	June 25	Edward G. Walsh	31	Mother	Yes	Mother	Yes
Incandescent Lamp Dept.							
15	June 5	Elizabeth Ritter	49	Brother and Sister	Yes	Brother and Sister	Yes
16	June 6	Jacob Kaiser	68	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
25	March 22	John Murphy	71	Wife	Yes	Wife	Yes
26	May 25	James Robertson	59	Wife	Yes	Wife	Yes
32	June 23	Herman D. Franken	58			Wife	Yes
River Works							
27	June 12	George W. Dean	51	Wife	Yes	Wife	Yes
Fort Wayne Works							
30	May 20	Illion K. Rambo	67			Friend	Yes
General Office							
42	June 6	John Kennedy	63			Daughter	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid Month of June, 1931	21	$22,395.15	25	$ 37,500
Claims previously paid, 1931	165	193,242.81	166	282,000
Total Claims 6 Months, 1931	186	$215,637.96	191	$319,500

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.	Add'l Ins.
River Works					
24	June 29	Michael F. Gallagher	52		Yes
Pittsfield Works					
21	June 1	Francis P. Sheran	59		Yes
4	June 24	Antonio Placido	32		Yes
West Lynn Works					
13	June 3	Arthur L. Swanson	43		Yes
General and District Offices					
28	June 16	William E. Holcombe	57		Yes
Incandescent Lamp Dept.					
2	June	Lester Eells	29		Yes
6	June	Fred A. Hohman	30		Yes

Disability Claims granted June, 1931			7	$11,000
Disability Claims previously granted, 1931	4	$3,500	32	47,500
Disability Claims 6 Months, 1931	4	$3,500	39	$58,500

Total Death & Disability Claims since Jan. 1, 1920 ..... $7,377,507.51



The New Ironer in Use

The G-E Flatplate Ironer Is Announced

THE G-E Flatplate Ironer is the latest addition to the G-E line of home laundry equipment. This new product was first shown at the N.E.L.A. convention in Atlantic City, and has been shown at several conventions since.

The G-E Flatplate Ironer is easy and simple to operate, and the finished work is of the highest quality and better than can be done by hand.

The ironer has a very definite appeal and is neatly and sturdily constructed. Its color is a pleasing combination of goldenrod yellow and silver with black trim. The ironing unit is permanently mounted in a table which has a removable white porcelain, acid-proof table top. When not in use the ironer becomes a practical kitchen table of convenient size for the average kitchen. When an ironing is to be done the table top is removed and the sides and back unfold into three shelves which may be used as a storage space for the ironed and unironed clothes. In front there is a lap board which keeps the damp clothes from resting on the operator's lap. The entire ironing is done while the operator is seated in a comfortable position.

The aluminum shoe is heated by two special elements which are controlled individually by thermostats. By using two elements in the shoe it is possible to maintain a different temperature at either end of the shoe. Thus, if all the ironing is being done on one end of the buck, the other end may be turned too low. The end that is being used can be turned to any required temperature. The thermostat dials are marked "high"-"medium"-"low" with a temperature range of 100 deg. between "high" and "low." This insures proper heat for all types and weights of material. These thermostat controls make it possible to obtain the desired temperature and to maintain that temperature as long as is necessary. Because of the abundant pressure and regulated heat, it is possible to iron clothes perfectly direct from the spin basket or wringer without the necessity of line drying.

Praise for G-E Workmanship

DURING her first year of service, the *Corsair,* J. P. Morgan's sea-going yacht, travelled over 29,000 miles, a remarkable performance for a ship of her kind and a tribute to the G-E propulsion and generating apparatus with which she is equipped. The following letter from Mr. Morgan to Owen D. Young should be a source of satisfaction to G-E employees who had to do with the installation.

June 15, 1931.

Dear Owen:

I want, through you, to write a letter of thanks to the General Electric Co. for the extraordinary efficient way in which they designed and built the engines for the *Corsair.* I have found from considerable experience that she will run with only one engine going at 14 knots, or just under, for as long as we want, and with great economy of fuel; with two engines running we get 16 knots, at which speed, without any strain or drive or worry, she crossed the Atlantic from Long Island to Southampton without ever varying at all from the 16 knots.

On Sunday evening, I came from New London to Matinicock Point at 18½ knots, assisted by about a one knot tide; that is to say, she was going at 17⅛ knots through the water, and during the entire distance the number of revolutions of the propeller never varied at all from 240, 17½ being the indicated speed for that number of revolutions. It was a wonderful performance, and we were just as quiet on board with the same absence of vibration at 17⅛ knots as we were at 16 and 14.

I am so much more than satisfied with the engines that I want the people who were responsible for them to know it.

Yours very sincerely,

J. P. MORGAN.



Mr. Morgan's ship, The *Corsair*

GIRLS' SECTION

The Cover Story

MAKING a record that really counts for something other than the honor of the thing surely should entitle one to special notice in the press. Yet such records seldom appear in print for the simple reason that in most lines of work there are no records whereby just comparisons can be made. All of our Service Bureau typewriters, however, are equipped with counters which show at the end of the day exactly how many times the keys have been struck and herein is a fair basis for comparison of the accomplishments of the various girls in these groups.

During the past year Esther Claxton, who works in the Service Bureau group stationed in Bldg. 19-4 made a record of 17,022,000 taps on the keys of her typewriter; accordingly we are using Miss Claxton's picture on the cover of this issue of our WORKS NEWS. Miss Claxton's work is limited to that of transcribing from typed and longhand copy, but such transcribing has its drawbacks for the typist must make copy as it comes and some longhand naturally is difficult to read. To give a better conception of what 17,022,000 taps on the keys means in work produced we find that she must have averaged 190 typewritten lines per hour.

To write 190 typewritten lines in one hour does not require anything unusual in the way of typist speed, but when it is considered that Miss Claxton's average is 190 typewritten lines every working hour for the past twelve months it is something like getting to a place 450 miles from where you started at the end of 10 hours on the road in your machine.

Now there are a goodly number among the typists and Ediphone operators in our Service Bureau that have made excellent records during the past 12 months. In the Girls' Section of this issue you will find a group picture of the six girls who have the highest records for the amount of work turned out. Miss Claxton and Miss Casey are the typists represented; Miss Stahl does both copy and ediphone transcribing while the others in the group are strictly ediphone operators.

The Records

	Key Taps During Year	Average Lines Per Hour
Esther Claxton	17,022,000	190
Dorothea Buhr	16,934,160	189
Cecile Turner	16,121,040	180
Margaret Oddou	16,052,880	177
Helen Casey	15,019,680	168
Mildred Stahl	14,436,240	161

All G-E Girls Picnic

A PICNIC for all G-E girls, sponsored by Elex Club was held in Trier's Park on Tuesday evening July 21. G-E trucks provided transportation to the park and immediately on arrival one of those delicious picnic suppers was served, with Lorena Fann, Cecile Meyers, Louise Lawson, Myrle Strause, Dorothy McCleery, Irene Stier, Hilda Horstmeyer, Hilda Puff, Helen Drewery, Bessie Smith, Bessie Partee and Marie Blough doing the serving. Mr. Trier, manager of the amusement park, very generously granted a reduction in price on amusement tickets and during the supper period Hilda Walda went about among the group selling tickets for five cents apiece. After supper our group of G-E girls reverted to their childhood ways and spent a hilarious evening riding the merry-go-round, the ponies and other devices which are there for people's amusement. Later there was, of course, dancing which rounded out a full evening of fun.

Miss Ada Cherry Hostess To Semper Idem Club

In the week-end of July 11 and 12, Miss Ada Cherry entertained the members of the Semper Idem Club and a few special guests at her cottage at Pleasant Lake, Michigan. These girls, employees in the Meter Dept. spent the time swimming, boating and dancing and had a splendid time.

Members of the club present were Miss Cherry, Cecile Linker, Bessie Shaffer, Susie Wagner, Bessie Smith, Ruth Lindeman, Dorothy Rebber and Edith Holle. The special guests were Jo Magers, Irene Grimme and Irene Meyers.

Gypsy Party

By consulting the last page of the little yellow tulip-shaped yearbook Elex Club members will note a



Typist and Ediphone operators with outstanding records for work produced. *Back row*: Margaret Oddou, Dorothea Buhr, *Front row:* Esther Claxton, Helen Casey, Mildred Stahl, Cecile Turner.

statement to the effect that a Gypsy Party is to be held at Pleasant View Cottage on August 18. Since this date follows so closely the close of the two weeks' vacation period, the date for the Gypsy Party has been changed to Aug. 25. G-E trucks will again be used to carry the girls to the site of the party, the trucks leaving the G-E Club immediately after work. On arrival at Pleasant View Cottage a good supper will be served and will be followed by some form of special entertainment which a committee is now arranging.

Weddings

Hampton-Cox

The marriage of Beulah Cox of the Transformer Dept., Bldg. 26-2, and Walter L. Hampton took place at 4 o'clock on June 7 at the parsonage of the Methodist Church at Monroeville. Mr. and Mrs. Hampton are making their home in Bridgeport, Conn., where Mr. Hampton is employed.

Montgomery-Gordon

On the Fourth of July the wedding of Bernice Gordon of the Meter Dept. and Virgil Montgomery occurred, the ceremony taking place at Trinity Methodist Episcopal church with Rev. E. E. Trippeer officiating. The bride's sister, Mrs. Merle Binkley was bridesmaid and her husband served as best man. Following the ceremony the young couple left on a wedding trip which included Cleveland, Detroit and points in Canada. Mr. and Mrs. Montgomery are now residing at 1809 St. Mary's Ave. Mrs. Montgomery is the daughter of Mr. and Mrs. Silas Gordon of Churubusco and Mr. Montgomery is the son of Mr. and Mrs. D. C. Montgomery of 1064 Schorr Ave., Fort Wayne.

Springer-Trennepole

On June 28 Viola Trennepole of the Frac. Hp. Motor Dept., Bldg. 4-2, and Paul Springer were united in marriage. The ceremony was performed by Rev. C. Schnepel at St. Mark's Lutheran Church.

Leaming-Springer

At 4 o'clock on Sunday afternoon, July 26, Stella Springer of the Meter Dept., Bldg. 19-4, became the bride of Tunis Leaming, who is employed at the Winter Street Plant. The service was conducted by Rev. Fred Wambsganss at Emmaus Lutheran Church. The bride was attended by her sister, Leona Springer, an employee in Bldg. 4-2, and Pauline Marklin, while Henry Meyers and Dale Springer attended the groom. Little Betty Jean Springer, a niece of the bride, was flower girl. A wedding dinner was served to 100 guests at the home of the bride's parents, Mr. and Mrs. Ferdinand Springer of 3324 Broadway.

Mr. and Mrs. Springer are now at home at 1243 Nuttman Ave.

Lashaway-Schneider

On Aug. 5 Alma Schneider, who for the past 16 years has been employed in the office of the Wire and Insulation Division severed her connection with the General Electric in view of her approaching marriage on Aug. 10 to Paul Lashaway, the ceremony to take place at St. Paul's Lutheran Church with Rev. Paul Miller officiating. Mr. and Mrs. Lashaway are to reside in Toledo, Ohio.

All A.I.E.E. Officers G-E Men

THE new officers elected for the Fort Wayne Section of the American Institute of Electrical Engineers, who took office Aug. 1, are E. J. Schaefer, chairman; A. W. Kramer, vice chairman; C. M. Summers, sec.-treas. (re-elected) and K. A. Killam, asst. sec.-treas.

J. F. Eitman and A. B. Campbell were elected members of the Executive Committee to serve for the years 1931-1933. Serving also on the Executive Committee during the ensuing year are F. H. Chadwick and W. J. Morrill whose terms expire in 1932.

Chairman Schaefer has announced that V. Verrall has been appointed as chairman of the program Committee and B. A. Case, chairman Membership Committe.

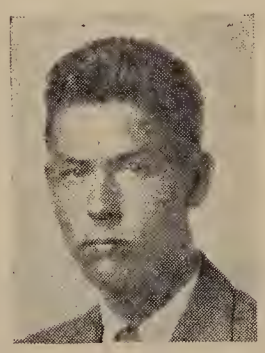
Retiring officers are W. J. Morrill, who was chairman; V. Verrall, who was vice-chairman and C. E.

(*Continued on page 15*)



Bernard Metker, Bldg. 4-4 and a morning's catch at Adam's Lake

Three Apprentices Complete Training



Charles Briggs



Arthur Nickerson



Lawrence Smith

DURING July, Arthur Nickerson, Charles Briggs and Lawrence Smith completed their respective periods in apprentice training, were awarded Apprentice School diplomas and assigned to regular duties in manufacturing departments of our Works.

Mr. Nickerson, who plays in the G-E Band, came here for our apprentice training in drafting after being graduated from South Side High School (Fort Wayne) in 1928. On completing his apprenticeship he was assigned to work in the Fractional Horsepower Motor Manufacturing Standards Dept. under L. D. Hodell in Bldg. 4-6.

Mr. Briggs, who also took the draftsman apprentice course, is a graduate of Central High School (Fort Wayne), class of 1928. He has been assigned to work in the Meter Test and Inspection under L. E. Klingman Bldg. 19-4.

Mr. Smith, who took the machinist and toolmaker apprentice course, is now working for William Franke in the Tool Room at Winter Street Plant. He is a graduate of the Decatur High School, class of 1928, his home being at Preble.

G-E Band to Play at Chicago On August 22

OUR General Electric Band will be one of the hundreds of bands throughout our country which will take part in the great musical festival at Soldiers' Field, Chicago, on Aug. 22, when it is expected that from 5,000 to 10,000 musicians will play in a massed band concert. Mr. Verweire will have two of his bands entered in this great musical event, namely, the G-E Band and the *News-Sentinel* Boys Band of which Mr. Verweire is the instructor. Fort Wayne is to be represented by still a third band on this occasion, namely the Pennsylvania Railroad Company's local band.

The massed band concert is scheduled to begin at 8:15 p.m. Central Daylight Saving Time and will last two and one-half hours. As the Chicago Tribune, which is sponsoring this event, has a radio broadcasting station, it is probable that the concert will be broadcast. So make it a point to tune in on your radio and hear this unique concert.

All A.I.E.E. Officers G-E Men

(Continued from page 14)

White, who served during the past year as assistant secretary-treasurer. The first meeting of the section will be held early in September.

Deaths

Fred W. Schmitt

FRED W. SCHMITT, 57, a packer in the Transformer Division Bldg. 26-1, died suddenly July 18 of a heart attack at Clear Lake, where he had gone to spend the week-end with relatives. Mr. Schmitt was first employed here at the General Electric on June 6, 1905, in the Annealing Dept. In February, 1921, he left General Electric to take a position with the Fort Wayne Dairy Company. After an absence of approximately nine months, however, Mr. Schmitt returned Nov. 15, 1921, taking a position as an inspector in the Fractional Horsepower Motor Division. In August of the following year he was transferred to the Transformer Division where he was employed at the time of his death. The funeral was held on July 21 from the Plymouth Congregational church with burial in Lindenwood cemetery.



F. W. Schmitt

Mercedes Grimm

Mercedes Grimm, 21, who was employed as a finisher in the Transformer Division, 26-1, died at her home in LaFountain, July 26. Miss Grimm came to the General Electric in March, 1929, taking work as a winder in the Transformer Division. Because of lack of work she was laid off for several months early in the next year but was re-engaged in July, 1930. Because of illness she had to lay off in February of this year, but returned to work in March and worked until May 13 when the condition of her health made it necessary for her to give up her work. She was a member of Elex Club and took an active part in the Club activities. The funeral was held at LaFountain on July 29 with burial in the cemetery there.

Suggestion Awards

(Continued from page VII)

Arthur E. Duhamell....Bldg. 26-1 $5
Changes at preliminary and final core test in Bldg. 26-1.

Robert W. Kessens.....Bldg. 19-2 5
Changes in routine pertaining to marine treatment of coils in the Apparatus Division.

Loring O. Gotschall....Winter St. 5
Use of paper sacks for protecting refrigerator strainers while in stock.

Alva J. Baldwin.....Bldg. 9 5
Improvements at service valve at the northwest corner of Bldg. 4.

A. Luessenhop.....Bldg. 26-4 5
Providing special arbor for machining parts for drawing 4238023 in the Meter Division.

Fred Castor.....Bldg. 19-4 7.50
Use of rubber stamps for stamping time intervals on certain demand meter registers in the Meter Division.

Mrs. Nora Cooper.....Bldg. 26-3 5
Improvements at assembly benches in Bldg. 26-3.

Cyril W. Tainter.....Bldg. 19-1 5
Changes to field coil assembly operations in Bldg. 19-1.

Nida Flavie Nern.....Bldg. 26-2 $5
Providing holding block for coils during insulating operation in Bldg. 26-2.

Irene Heckber.....Bldg. 26-3 5
Changes to foot pedal on lead cutter in Bldg. 26-3.

Forrest W. Wilson.....Bldg. 6-1 7.50
Finishing certain machines in Bldg. 6.

Ralph Winters.....Bldg. 26-3 5
Installation of special light at milling machine 14461 in Bldg. 26-3.

Ralph W. Hare.....Bldg. 4-4 5
Installations of fans at dip tanks in Bldg. 4-4.

Earl D. Mills.....Winter St. 5
Installation of guard at grinder 17485 at the Winter St. Plant.

Pat Miller.....Decatur 5
Installation of ventilating hood at inspection bench at Decatur Plant.

William F. Fowler.....Bldg. 26-1 5
Changes in the method of anchoring leads on certain toll transformers. (This is in addition to a previous award of $5.)

John J. Trim.....Bldg. 17-3 5
Changes to varnish tanks in Fractional Hp. Motor Division.

D. L. Bolds.....Winter St. 5
Changes to containers for needle valves at Winter St. Plant.

Willis V. Lutz.....Winter St. 5
Use of felt protection washers for bars on P. & J. machines at Winter St. Plant.

Velma E. Braun.....Bldg. 26-1 5
Improvement to tension device for enamel wire in Bldg. 26-1.

Victor V. Cartwright...Winter St. 5
Installation of drain pans under certain conveyors at Winter St. Plant.

Irwin A. Bacon.....Winter St. 5
Installation of shield at wash tank at Winter St. Plant.

Clarence R. Hartman..Winter St. 5
Installation of stop at rack in Bldg. 1-1, Winter St. Plant.

W. V. Lutz.....Winter St. 5
Improvements to guard on certain P. & J. machines at Winter St. Plant.

Walter Schelper.....Winter St. 5
Improvement on drill press 8223 at Winter St. Plant.

J. G. Williams.....Bldg. 19-3 5
Installation of special wash tank in Bldg. 19-3.

Oscar Baals.....Bldg. 26-B 5
Installation of dip pan at certain pipe line in Bldg. 26-B.

Melvin Kestner.....Winter St. 20
Omitting the nailing together of insulite sheets used in certain box tops at Winter St. Plant.

Robert E. Kallmyer....Bldg. 12-2 10
Brazing the end of heater tube at Winter St. Plant.

William J. Ohse.....Winter St. $10
Use of piano wire instead of drills for certain burring operation at Winter St. Plant.

Andrew J. Nichter.....Bldg. 17-4 5
Providing ventilating equipment for toilet room in Bldg. 17-4.

William F. Fowler.....Bldg. 26-1 5
Use of clamps instead of bolts during treatment of certain transformers in Bldg. 26-1.

Floyd Chilcote.....Bldg. 26-1 5
Improvements to conveyor in Bldg. 26-1.

Elden L. Braden.....Bldg. 26-2 5
Improvements to certain winding arbors, Transformer Division.

Nora C. Coburn.....Bldg. 26-2 5
Providing special light at welding operation in Bldg. 26-2.

Melvin Payne.....Bldg. 26-4 5
Embossing relay discs in the Meter Division.

Clair A. Wiebke.....Bldg. 26-1 5
Providing adjustable fixture for reactor iron in Bldg. 26-1.

James F. Sarasien.....Bldg. 19-4 5
Changes to GAX Relay operating arm.

Ross Vaughn.....Bldg. 26-5 5
Changes to guard for lathe 2353 in Bldg. 26-5.

Maude Kaufman.....Bldg. 26-2 5
Improvements to certain assembly tables used in Bldg. 26-2.

Carl Beck.....Winter St. 5
Anchoring or revolving reels for automatic screw machines at Winter St. Plant.

Luke J. Martin.....Bldg. 26-2 5
Furnishing certain wire on special spools for Bldg. 26-2.

Oliver H. Bowman.....Winter St. 5
Installation of holder on electrical gauge at Winter St. Plant.

Bernard C. Metker.....Bldg. 4-4 5
Installation of special screen to catch work at machine 3736 in Bldg. 4-4.

Karl A. Bezner.....Winter St. 5
Installation of guard at meter panel in Bldg. 1-1, Winter St. Plant.

Oliver H. Bowman.....Winter St. 5
Providing graduated dial on electrical gauge at Winter St. Plant.

S. J. Nyboer.....Bldg. 20-1 5
Installation of lubricator in certain air line in Bldg. 4-1.

Levi E. Osborn.....Bldg. 20-1 5
Installation of hook for safety ladder in Bldg. 28-1.

R. E. Zook.....Bldg. 4-2 7.50
Changes to the 45 frame end fiber in Fractional Hp. Motor Division.

R. C. Hagemen.....Bldg. 19-3 15
Transfer the making of pin drawing V-3527316 to Meter Division.

A. Luessenhop.....Bldg. 26-4 5
Installing guard at machine 3660 in Bldg. 26-4.

Leslie R. Logan.....Bldg. 4-4 $5
Changes in the method of staking SDA balance weights in Fractional Hp. Motor Division.

Everett H. Lindeman...Bldg. 17-1 5
Changes in operations on certain commutators in the Fractional Hp. Motor Division.

H. Fink.....Bldg. 4-2 5
Improvements to bench in Bldg. 4-2.

Paulus Adams.....Bldg. 19-1 5
Providing suitable instruction books for vertical motors in the Apparatus Division.

B. J. Skevington.....Bldg. 19-4 5
Changes to sequence of operations on ACI reclosures.

Parker Motter.....Winter St. 5
Changes to fixture for bending certain copper tubing in the Refrigeration Division.

John Quinn.....Bldg. 8-2 5
Providing longer holders for cotton on insulating machine in Wire & Insulation Division.

Carl Sorenson.....Bldg. 19-2 5
Improvements in the method of insulating back of risers on certain commutators in the Apparatus Section.

F. E. Ashbaugh.....Bldg. 19-4 5
Changes to leads for certain relays manufactured in the Meter Division.

Dorothy Keener.....Bldg. 19-4 5
Changes to certain bearing screws used in the Meter Division.

E. E. Schoenlein.....Bldg. 19-4 5
Changes in the method of winding certain coils in the Meter Division.

Chauncey Buell.....Bldg. 19-4 5
Stamping sun gear for MC-13 relays to assist in getting the proper mesh of gear and worm in Meter Division.

George H. Welker.....Bldg. 19-4 5
Changes to drawing 640894 in Meter Division.

Louis Alfred Swager....Bldg. 19-3 5
Installation of guard at machine 567 in Bldg. 19-3.

Ray Greek.....Bldg. 19-4 5
Changes to spring used on 3TSA-10A timer in the Meter Division.

G. Mentzer.....Bldg. 26-3 15
Changes in the method of cleaning leads in Transformer Division.

L. A. Didier.....Bldg. 18-4 5
Installation of hand-rails on stile in Bldg. 4-1.

Contad Pfeil.....Bldg. 4-4 5
Installation of guard at reaming machine in Bldg. 4-4.

Mary Jinks.....Bldg. 26-3 5
Providing material for radio coil shields in rolls of uniform size.

Kenneth Louthan.....Bldg. 4-2 5
Washing certain contact rivets before assembling in switches in Fractional Hp. Motor Division.

Don Castle.....Winter St. $5
Changes in the method of providing copper rings for certain brazing operations in the Refrigeration Division.

Cedric J. Reed.....Bldg. 26-1 5
Changes in the practice pertaining to securing the ground lead on certain transformers in the Transformer Division.

A. E. Coxon.....Bldg. 19-2 5
Improvement to forms FW-689 and 773.

H. Fink.....Bldg. 4-2 5
Improvement at switch setting benches in Bldg. 4-2.

Marion F. Patty.....Bldg. 2-1 12.50
Providing rack for dipping operation for refrigerator tray lids.

Layton High.....Winter St. 15
Changes to elevators for brazing furnaces in the Refrigeration Division.

Paul Gressley.....Bldg. 26-3 5
Providing racks for change gears in Transformer Division.

Floyd Chilcote.....Bldg. 26-1 5
Providing bins for transformer parts in Bldg. 26-1.

Carl Scheimann.....Bldg. 10-B 5
Improvement to vapor proof lamps in Bldg. 25.

Virginia Douglas.....Bldg. 26-2 5
Improvement to pliers used on certain assembly operations in the Transformer Division.

S. Alspaugh.....Bldg. 19-4 5
Changes to gear and hub assembly drawing 4291123 in the Meter Division.

Eldridge Gillum.....Winter St. 5
Installation of watthour meters at assembly of heater tube in base in Refrigeration Division.

Ralph Winters.....Bldg. 26-3 5
Installation of shields at milling machines in Bldg. 26-3.

Lewis Groves.....Winter St. 5
Changes at paint booth at Winter St. Plant.

Chalmer Steele.....Bldg. 19-4 5
Changes to routine pertaining to the transporting of certain brushes used in the Meter Division.

Esther S. Prowant.....Bldg. 16-3 5
Changes in inspection routine pertaining to spraying equipment.

A. Luessenhop.....Bldg. 26-4 5
Omitting certain operations on M-14 pole pieces in the Meter Division.

Larry Johnson.....Bldg. 26-3 5
Omitting the use of press board on certain winding arbors in the Transformer Division.

Ralph P. Hershberger...Bdg. 17-4 5
Changes to punch for drawing 3583590 in Tool Division.

Ralph Winters.....Bldg. 26-3 5
Changes to conveyor gate in Bldg. 26-3.

JUNIORS' PAGE

Dear G-E Juniors:

I'm glad that all of you liked the puzzle we had in the July WORKS NEWS, and found the elephant by drawing a line through the even numbers. We sent prizes to Johnnie G. Waltke and Esther L. Fisher at Decatur, and Dorothy Lordier, Alice Nyboer, Eugene Bahr, Elmar Devaux and Margaret Everding at Fort Wayne. I received nice letters from these Juniors; also from Kenneth Nyffeler, Ella Fay Ogg, Robert Roscoe; Raymond Raudebush, Catherine Murphy and Betty Hamma of Decatur; Audrey Mutschlecner, Louis Webster, Richard,



Robert, Roscoe, Raymond Raudebush, Triplets, and their Sister Rowena, with their Pets.

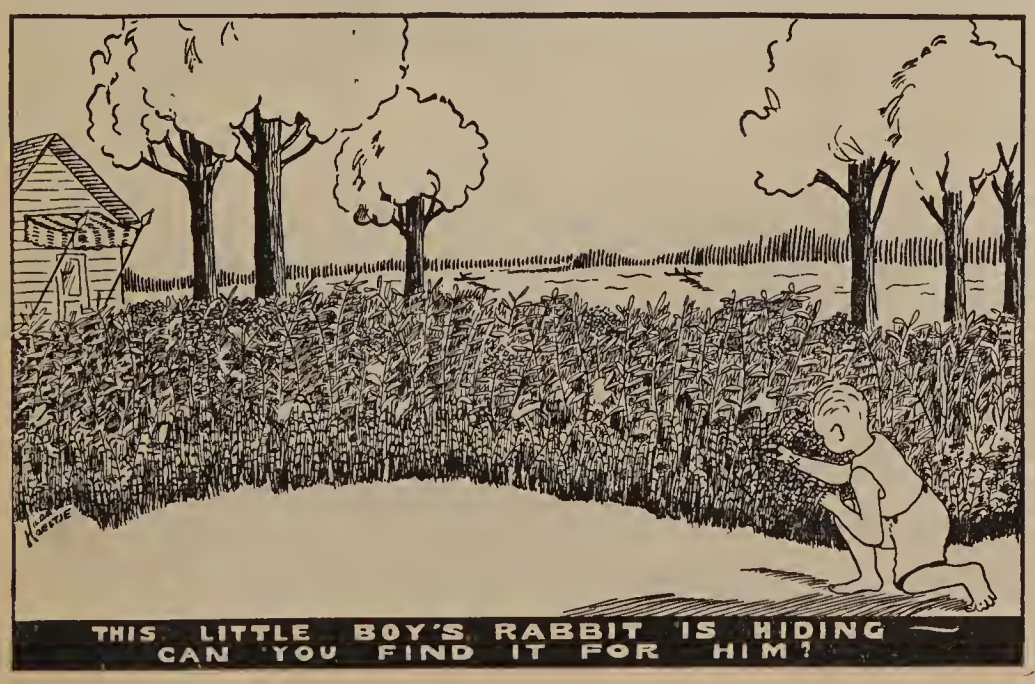
Dorothy and Gerald Wyss, Eleanor Schelper, Berniece Etzler, Charles Gardt, Kathryn Rice and Geraldine Fabian of Fort Wayne.

My, what good times all of you are having during vacation. In her letter, Berniece Etzler told me that she was planning to go on a camping trip through northern Michigan with her mother and daddy. Audrey Mutschlecner is planning to spend two weeks in August at Adams lake with her



Theodore Scott

parents. Ella Fay Ogg, who lives at Decatur, goes nearly every day to one of the several swimming pools that are near her home for a refreshing dip. Elmar Devaux and Johnnie G. Waltke both live in the country and they both have mighty good times. Elmar has a dog and four little kittens to play with. Johnnie has a flower garden





Jackie Thurber

and also a flock of chickens. He tells me he has raised 65 chickens and some of them are now just about big enough to fry. Eugene Bahr celebrated his tenth birthday July 29 and Catherine Murphy passed her twelfth birthday on Aug. 3. Robert, Roscoe and Raymond Raudebush, who are triplets, sent me this cute picture of themselves, their little sister Rowena and their pets. And isn't it a cute picture that we have of Jackie Thurber all ready to take a dip in the lake. Jackie's father, Russell Thurber works in Bldg. 4-1. The little boy with the big collie dog is Theodore Scott whose mother Mrs. Hilda Scott works in the Meter Dept. in Bldg. 19. These are all mighty interesting pictures of youngsters and we are very glad to have them for our Juniors' Page.

Since this is vacation season we have a vacation picture for our puzzle this month. Jimmy, the little boy in the picture, is spending his vacation with his mother and daddy at their cottage at a nice cool lake. And as they plan to stay all summer at the cottage, Jimmy took his pet rabbit along. Now this bunny is rather mischievous and likes to slip away and hide and that is just what he is doing in our puzzle. Jimmy is just hunting everywhere for his rabbit, and I wonder if you Juniors can help him find his pet bunny. Look closely at the picture and if you do find him, lay a piece of thin paper over the picture and trace the outline of the bunny where you found him, then send me the tracing, for in that way we will know



Catfish, Bass and Bluegil Caught at Mud Lake by Seamon Huffman, Bldg. 22, George Sonner, 19-5, and Ray Moore, Bldg. 20

whether you have been able to solve the puzzle.

I was pleased so much by all of the nice letters you sent me before my vacation and I want to thank all of you for your kind wishes that I have a jolly good time. I'll be looking for more letters when you have solved the puzzle in this WORKS NEWS, so don't forget to send me your answers.

Yours sincerely, *Jill*



Homer A. Hartman, Bldg. 18-3, is not only an expert fisherman but a past master in the art of handling all members of the finny tribe. During his vacation he hooked and landed one 5-pound, one 7-pound, and one 10-pound dogfish. The staff artist has pictured Mr. Hartman as he was about to end the struggles of the largest fish.

« « SPORTS » »

Inter-dept. Baseball

The Apparatus team won the first half round in the Inter-Dept. baseball league when they defeated Motor Vets last season champions, in the final schedule game. Both teams were tied for first position with six wins and one loss and the deciding game was hotly contested.

Motor Vets are leading the teams in the second-half standings, the Apparatus team having lost a 7 to 1 game to the Small Motor in the third week of play. Transformer, Small Motor and the Squares are closely grouped behind the leaders, while Winter Street, Apprentice and General Service teams still have a chance to upset the leaders.

Seven inning games are played every Tuesday and Thursday evenings on the two diamonds at the Taylor St. park, and most of the contests are witnessed by a large number of fans.

Inter-dept. Softball

Apparatus, Apprentice and Square teams were tied for first place in the Inter-Dept. Softball league at the finish of the first round and a play-off series was necessary to decide the winner. The Apparatus and Apprentice teams met in the first game of the series, with the Squares scheduled to play the winner of this game.

The second-half schedule started Monday, July 20, with the 13 teams of the league divided into upper and lower brackets. The Apparatus, Apprentice, Distribution, Refrigeration, Squares, and Winter Street teams comprise the first group, while Main Office, Plant Construction, Rotors, Small Motor Factory, Small Motor Office, Tool Specials and Transformer teams make up the second group.

Both softball diamonds at the Taylor St. Park are in use four evenings a week to take care of the heavy schedule.

Horseshoes

The pitchers in the Inter-department horse-shoe league are keeping the McCulloch Park courts busy three noons a week, and some mighty interesting games have been played.

H. Snyder, a recent find and a member of the G-E City Championship Horse shoe team, is leading the league with eight victories and no defeats. H. Hartman, W. Stute, J. Blakely, P. Saylor and E. Pace are closely following in the circuit standings.

Complete standings:

	W	L	Pct.
H. Snyder	8	0	1000
H. Hartman	5	1	.833
E. Pace	4	1	.800
W. Stute	5	2	.715
J. Blakely	2	1	.667
P. Saylor	6	4	.600
C. Faulks	4	3	.572
M. Lee	5	5	.500
H. Hibler	4	4	.500
L. Anderson	2	5	.286
L. Joseph	1	4	.200
J. Archer	1	9	.100
C. Wedler	1	1	.000
O. Haver	0	1	.000

G-E Golfers in Tie for First Half

The G-E golf team in the City Industrial-Commercial league finished the



G-E HORSESHOE TEAM AND CUP AWARDED BY CHRIS HAHN

Left to right: George Lenz, H. Snyder, William Stute, E. Pace, H. Hartman and John Blokely.

first half in a tie for first position, with seven wins and one loss. The play-off for first round championship is scheduled for the near future and the local team should cop the title.

Hanna, Cain, Lamboley, Newlin and Kellogg have participated in most of the games, with Sunier, McAtee and Hartman alternating when needed. H. Koch and O. Blankenbaker will probably be certified and see action during the second-half schedule.

Hanna is medalist for seven of the first half matches with 40.1, while Lamboley is a close second with 40.7. The G-E four-man team average is 177.9, and the best score 169 during the initial round. The next best team score is 178.

The second half schedule of games started Wednesday, July 22, and will probably result in a tight race between the G-E, Paper Box Company, and Harvester No. 1 teams, with General Cable and Harvester No. 2 threatening upsets.

City Industrial Baseball

The G-E Club team in the City Industrial Baseball League is leading the circuit in the second round of scheduled games and recent changes in the line-up should assure their winning the remaining games in the upper bracket.

Stafford is leading the G-E batters in average standings, with 10 hits out of 17 times at bat.

Complete averages:

	G	AB	H	Ave.
Stafford	4	17	10	.581
Enders	5	21	9	.428
Bubb	5	8	3	.375
Rodenbeck	4	9	3	.333
Lichty	2	9	3	.333
Motes	1	3	1	.333
Farrell	5	13	4	.307
Fisher	3	10	3	.300
Kestner	5	22	6	.272
Cowan	5	20	5	.250
McAfee	5	17	4	.235
R. Glenn	5	23	5	.217
Kammeyer	3	10	1	.100
W. Glenn	3	7	0	.000

City League Softball

The G-E Softball team in the City League is breezing along in first place with all victories to their credit. Some of their games have been close but the old championship form carries them through.

The second half of the league schedule has been divided into upper and lower bracket teams, each group playing two rounds, and the winner of each group meeting in a play-off for round championship. The G-E team should annex this half and the season championship title.

Another Hole in One

P. O. Noble, Bldg. 4-6, made the first hole-in-one on the newly re-built number 8 hole while playing in a threesome at the Fort Wayne Country Club. The green is raised and surrounded by large and treacherous traps, and is 128 yards distance from the tee-off.

Playing with Mr. Noble at the time were Rush McClure, Bldg. 4-6, and Allan Jacobs of the Inca Manufacturing Co. Noble played all of the short holes on the first nine in six strokes, making par on number 3, taking only two strokes on number 5, and the hole-in-one on number 8.

Bowling Alleys to Open Sept. 5

The alleys at the G-E Club will open for bowling on Sept. 5, Eddie Harkenrider reports. All of the alleys have been carefully reconditioned and no doubt many of the star bowlers will miss their particularly lucky grooves when they start to get back in form for organized bowling.

The closed season is still on for indoor sports and social entertainments and we can scarcely expect announcement of a renewal of these activities before the new officers are selected in the annual election scheduled for Sept. 8.

Decatur Plant Section

Softball League Grows Interesting

THE softball games which were substituted for the baseball games that were started early in the season is commanding the interest of a goodly number of players many of whom would not care to take part in the more serious games. The four teams in the league were completing their first round of games in the week preceding vacation and the beginning of that week found two teams tied for first place with the other two tied in second position. There is plenty of action in all these games and all who take part either as players or rooters are having a mighty good time.

The standings of the teams at the end of the third week was as follows:

	Won	Lost
Flanges	2	1
Assembly	2	1
Automatics	1	2
Tool Room	1	2

Girls Have Bathing Party

THE entertainment arranged for Gecode Club members at their regular meeting on Wednesday evening, July 22 was a change from the special dinner that the girls have been enjoying together followed by games of bridge. The hot weather suggested the idea that the girls have a bathing party and accordingly arrangements were made to go to the "Green Waters" a popular pool quite near to Decatur. Duckings were the special favors for the evening but as they were generously passed out none of the girls present had any trouble in getting good and wet. The plunge into the cool waters of the pool was a pleasant diversion after the warm day in the shop and it is needless to say that everyone present had a jolly good time.

Tool Room Employees Have Fish Fry

SOME 18 employees of the Tool Room at Decatur Plant staged a fish fry at the Whitright Grove west of the city on Friday evening, July 31 immediately after work. As the annual vacation had not yet started, the rules permitted the purchase of supplies. Bud White and Earl Beinz were elected as cooks to prepare the entire menu while the others were to furnish only advice and the funds with which to defray the expense. Although no other entertainment was officially scheduled, there is every reason to suppose that the boys were equal to the occasion and the good time continued as long as there was light.

Absent Employees

Adam Kunowich, Black Armature Dept., who has been suffering from a nervous breakdown is reported as improving nicely and it is hoped may soon be able to report for work.

Charles Wever, tester on the final test, and Russell Baumgartner, of the Punch Press Dept., are now at their respective homes recuperating from operations which they underwent recently.

Lloyd Ahr, who has been kept from work for several weeks by a badly sprained ankle, is expected to be able to report for work when the plant reopens after the shutdown for vacation.

Leota Burnett of the local factory is ill at her home on South 4th Street, Decatur.

Service Anniversaries for August

Fort Wayne Plants



Otto F. Nahrwold



Edward Boedeker

THIRTY YEARS

Edward G. Boedeker	August 25, 1901	Otto F. Nahrwold	August 26, 1901

TWENTY-FIVE YEARS

J. W. Crise	August 2, 1906	Harry Haberkorn	August 6, 1906
Phil Wieck	August 6, 1906		

TWENTY YEARS

I. A. Bird	August 7, 1911	Erwin Zollinger	August 18, 1911
Fred Trautman	August 8, 1911	William H. Shady	August 21, 1911
William A. Shatzer	August 9, 1911	Charles J. Ueber	August 22, 1911
Ralph L. Dolan	August 11, 1911	H. Mutschlecner	August 23, 1911
Edna Tarman	August 23, 1911		

FIFTEEN YEARS

Arthur McNamara	August 1, 1916	Harry Savage	August 19, 1916
Herman Berg	August 2, 1916	M. D. Hamilton	August 21, 1916
Leonard A. Erickson	August 3, 1916	J. G. Emrick	August 21, 1916
Noah S. Tilman	August 7, 1916	Victor Rump	August 22, 1916
Henry P. Gick	August 7, 1916	Samuel F. Houser	August 22, 1916
Albert Harber	August 7, 1916	John Merrilat	August 23, 1916
John L. James	August 7, 1916	John Boese	August 23, 1916
Charles J. Masel	August 7, 1916	Josephine Mutschlecner	August 24, 1916
William F. Bitsberger	August 8, 1916	John Staley	August 26, 1916
Benjamin Ruch	August 14, 1916	Leo W. Kuttner	August 28, 1916
S. C. Newlin	August 15, 1916	E. F. Waldschmidt	August 29, 1916
Fred Roth	August 15, 1916	Paul G. Kirbach	August 30, 1916
Vernon R. Castle	August 19, 1916	William Earl Moore	August 31, 1916

TEN YEARS

Russell C. Isaacs	August 22, 1921	Leila Bryant	August 25, 1921



The GE Works News

September 18, 1931

THE summer months always bring in a flood of vacation snapshots, and our cover this month is a reproduction of one of the best turned in by a G-E photographer. It is not only a fine photo, but also in a way symbolizes the end of another vacation period.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 September 18, 1931 No. 9

Night School Classes Begin Sept. 21

CONTINUING the custom of many years, employees of the General Electric here again will have the opportunity of making a practical study under capable instructors of a number of subjects which experience has proven are of interest to many in our Fort Wayne Plants. As in former years there will be two terms of 12 weeks each of the G-E Night School, and the first meetings of classes in the fall term will be held during the week starting Sept. 21.



H. O. Makey, Fort Wayne High School will Teach English



LaVere Vail, will Teach Shorthand

In speaking of the Night School, R. L. Hupp, who is in general charge, says "Our night school courses are intended especially for those who need information in connection with work they are now doing and also for those who wish to prepare for more difficult jobs in advance. Truly the best way to secure advancement is to be prepared. The G-E Night School with its varied list of courses should be of help to you in attaining your goal. Last year 246 diplomas were granted to Night School students at our Fort Wayne Works.

Folders descriptive of the night school courses have been distributed and if you are interested but failed to receive a copy, request one of your foreman. A list of the subjects to be taught is given on the back of the folder and an enrollment blank is also enclosed. Although only regular courses are listed on this pamphlet, Mr. Hupp advises classes in other subjects will be arranged providing 12 or more students express a desire for such courses.

It is important that those who are interested, attend the first meetings of the classes which will be held in accordance with the schedule printed below. General questions in regard to the ground to be covered will be answered by the instructors at that time and enrollments also will be taken. However, you may see Mr. Hupp or the class instructors about this matter at any convenient time.

Mr. Hupp's office is located in Bldg. 12-3, phone 475 at Broadway Plant.

NIGHT SCHOOL CLASS SCHEDULE

Course	Meeting Time Hour	Day	Place Room No.	Bldg.	Instructor
Arithmetic & Blueprint Reading	5:15-7:15	Tues.	2	12-3	G. H. Gettle
Algebra—Term No. 1	5:15-6:45	Tues.	3	12-3	R. L. Hupp
Term No. 2	5:15-6:45	Mon.	3	12-3	R. L. Hupp
Trigonometry—Term No. 1	5:15-6:45	Thurs.	3	12-3	R. L. Hupp
Term No. 2	5:15-6:45	Wed.	3	12-3	R. L. Hupp
Machine Shop Practice	5:15-7:15	Wed.	2	12-3	H. G. Siebold
D-c. Electricity—Section No. 1	5:15-7:15	Tues.	1	12-3	A. M. Smith
Section No. 2	5:15-7:15	Mon.	1	12-3	A. M. Smith
A-c. Electricity—Section No. 1	5:15-7:15	Thurs.	1	12-3	A. M. Smith
Section No. 2	5:15-7:15	Wed.	1	12-3	A. M. Smith
Mechanical Drawing Term No. 1	5:15-7:15	Wed.	4	12-3	G. H. Gettle
Term No. 2	5:15-7:15	Thurs.	4	12-3	G. H. Gettle
Term No. 3	5:15-7:15	Fri.	4	12-3	G. H. Gettle
Gear Design	5:15-7:15	Mon.	4	12-3	G. H. Gettle
Cam Design	5:15-7:15	Mon.	4	12-3	G. H. Gettle
Business English	5:15-6:45	Fri.	3	12-3	H. O. Makey
Public Speaking	5:15-7:15	Wed.	S. Din. Rm.	16-2	Walter Sunier
Elementary Typewriting	5:15-7:15	Wed.	Serv. Bu.	16-3	Grace Phillips
Advanced Typewriting	5:15-7:15	Tues.	Serv. Bu.	16-3	Grace Phillips
Elementary Comptometry	5:15-7:15	Thurs.	Pay. Dt.	18-2	Ruby Kuhn
Advanced Comptometry	5:15-7:15	Mon.	Pay. Dt.	18-2	Ruby Kuhn
Elementary Shorthand	5:15-7:15	Mon.	S. Din. Rm.	16-2	LaVere Vail
Advanced Shorthand	5:15-7-15	Thurs.	S. Din. Rm	16-2	LaVere Vail



Night School Instructors
Standing: H. G. Siebold, P. B. Cox, R. L. Hupp, G. H. Gettle,
Sitting: W. Sunier Grace Phillips, Ruby Kuhn, A. M. Smith



G-E BAND

Front row: August Heimrich, Fred Rapp, Henry Schaefer, Lloyd Coor, Wilbur Boltz, Vern Sheets, Glenn Greek, Hiram Work, William Brinkroeger, Lindwood Kelly, George Thain, George Welker, Homer Mitchell, Perry Shober. John L. Verweire. *Middle row:* John O'Neil, Art Higgs, Homer Meyers, Fred Miller, Paul Richter, Glenn Miller, Gaylord Shank, Frank Ashbaugh, Kent Trapp, Carl Tulley, Wade Verweire, Carey Baker, Wallace Beers, Dominic Ferlina, Tom Cannon. *Back row:* Arthur Nickerson, Sr., Arthur Nickerson, Jr., Glenville Gorrell, Charles Horstmeyer, Arthur Fruechte, Rudy Stocks, Clarence Schroeder, Ben Kline, William Hatfield, Charles Verweire.

G-E Band Wins Prize at Chicago Music Festival

THE experiences of our bandsmen in taking part in the individual contests and then in the stupenduous massed band event of the great Chicagoland Music Festival, on Soldiers' Field where 28 bands, numbering 2200 musicians, played as a single unit under that dean of band conductors, Lieut. Commander John Philip Sousa, are something that the men will long cherish. The members of our G-E Club Band left Fort Wayne on a very early train on the day of this music festival in order that they might arrive in Chicago in time for the preliminary band contests scheduled for the forenoon. On arrival in the city they went at once to the Drake Hotel where they were directed to report for the elimination contests. They won the highest honors in this group of bands with which they were in competition in these preliminary contests at the Drake Hotel, and this decision in their favor entitled them to appear in the finals held that same afternoon at the Knickerbocker Hotel.

In this final contest our band was in competition only with bands which had won similar preliminary contest honors during the forenoon and naturally here the competition was most keen. In spite of the fact that in numbers our G-E Club Band was one of the smallest entered in the contests, Conductor Verweire having only 48 men, our band rose to the occasion, doing even better than they had done in the morning preliminaries, and took third prize among all the bands entered in the affair.

Again without opportunity for recreation the band took buses for



John L. Verweire,
Band Conductor

Soldiers' Field where practice for the Massed Band event was held at 4:45 p.m. Supper was secured on the field and soon everything was in readiness for the culminating event.

One hundred and ten thousand people filled the seats in the great stadium when the 5000 musicians who took part in the stupenduous music festival marched on the field. Each of the prize winning units was announced by name as it entered the arena, the prize bands playing as they marched the full length of the field under the concentrated beams of the giant searchlights as they went to their appointed places in the stands.

After all the musical organizations, bands, drum corps, and choruses were assembled Sousa made a triumphant entry to the field. On arriving at the stands he directed the 2200 massed bandsmen in one of his best known compositions, the U.S. Field Artillery March, and then offered as an encore another of his well known compositions, Manhattan Beach.

G-E Club Show to be Held September 23

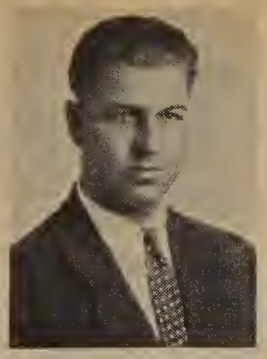
ON Wednesday evening, Sept. 23, the present entertainment committee of the G-E Club will present their final offering in the G-E Club Gym. This will be a combination of motion pictures and special entertainment featuring music, dancing and comedy acts. Two reels of the ever popular Mickey Mouse films will be shown especially for the kiddies and a Paramount feature film will complete the show.

This entertainment, of course, will be free to all G-E employees, their families and guests, but the employees G-E Club membership card will be required for admission at the door.

General entertainments for the rest of the season will be arranged by the committee appointed by the newly elected officers of the club who will take office on Oct. 1.



Don Clem
$50 Award



Robert Bledsoe
$35 Award



Albert E. Miller
$25 Award



A. R. Bowman
$25 Award



E. J. O'Neill
$25 Award



Raymond Brown
Awarded Last Month

Suggestion Awards

THE largest award paid on suggestions at Fort Wayne from July 19 to Aug. 29, inclusive, was $50 secured by Donald S. Clem of the Winter Street Plant on a suggestion he offered regarding a change in the design of trays used in handling DR-3 icing units in process of manufacture. Mr. Clem observed that it was troublesome and expensive to maintain the protective strips of felt used on the edges of these trays and suggested that the edges of the trays be rounded to reduce the cutting through of the felts. While his plan was not that finally adopted, Mr. Clem's suggestion brought about the re-design of the trays which reduces both the cost of material and the expense of maintenance. It was in accordance therewith that Mr. Clem was presented the $50 award.

Robert Bledsoe, of Bldg. 4-2, offered an idea that although not put into practice in just the way he presented it, nevertheless, occasioned improvements being made and Mr. Bledsoe therefore has been granted an award. Mr. Bledsoe's suggestion related to changes in design of a fiber tool used in the winding of fractional horsepower motor stators in Bldg. 4-2. An improved tool finally was developed and Mr. Bledsoe was granted a $35 award.

Albert E. Miller of Bldg. 26-1 suggested changes in the method of salvaging certain rejected transformers and originally received only $5 award. On further consideration of the value of Mr. Miller's suggestion he recently has been granted $25 additional award.

A. R. Bowman, of Bldg. 19-3, suggested that certain punchings which this Works had been purchasing from Schenectady be made in our Apparatus Division here and as the plan has proved practical Mr. Bowman has been presented $25 in award.

Edwin J. O'Neill, Bldg. 20-2, was granted $25 in award on suggesting that replacement parts be provided for casters used on office furniture.

B. M. Kline, of Bldg. 4-5, received$25 award for a suggestion he



B. M. Kline
$25 Award



Golda Mentzer
$25 Award

offered regarding changes in the boards used in holding small armatures during the progress of manufacture.

Golda Mentzer, Bldg 26-3, suggested changes in the method of cutting leads which brought her $25 award.

Eva C. Corcoran, of Winter St. Plant, offered a suggestion that oleum spirits which had become unusual and was being discarded be used for fuel in the annealing furnaces. Such utilization of the waste material was found practical and Miss Corcoran was given a $25 award.

James W. Davis, of Bldg. 27, suggested changes in the composition of the drawing compound used in the Refrigeration Division and received a $25 award.

Smaller awards made on suggestions during this period were as follows:

W. J. Pomp and Rudolph F. Brown.....Bldg. 19-3 $5
Changes to motor on milling machine 7743 in Bldg. 19-3.

Mrs. D. W. Buhr.....Bldg. 19-4 5
Changes to forms FF-49 and FF-459.

Lee Anderson.....Bldg. 19-2 5
Providing insulating material, drawing M-3572049, in 2½-in. widths.

Basil J. Pearson.....Winter St. 5
The use of plugs in threaded holes in outer refrigerator shells during sand blasting operation.

Gordon L. Smith.....Bldg. 27 5
Utilizing certain copper clippings for refrigerator parts.

Thomas Passwater and Edwin Schaefer.....Bldg. 27 5
Providing special trays for certain refrigerator parts.

Nora C. Coburn.....Bldg. 26-2 5
Improvements to tap wire punch used in the Transformer Division.

Harry Magner.....Bldg. 4-2 7.50
Improvements to certain armature trucks used in the Frac. Hp. Motor Division.

Herman R. Vachon.....Bldg. 27 5
Improvements at the Pangborn blaster Bldg. 27.

Basil J. Pearson.....Winter St. 5
Changes to fixture for insulation assembly.

Cecil Bender.....Bldg. 19-5 5
Providing locker at 19-5 spray booth.

Tony Arthur.....Bldg. 20-1 5
Improvements to test lead blocks used in the Frac. Hp. Motor Division.

Artista Baker.....Bldg. 4-4 5
Improvements at taping machines in Bldg. 4-4.

E. W. Steele.....Bldg. 19-3 5
Changes in routine pertaining to ordering certain replacement parts in Apparatus Division.

Harvey D. Fisher.....Bldg. 26-2 5
Providing special tool rack at press 15156 in Bldg. 26-2.

J. A. Lamboley.....Bldg. 4-6 $5
Utilizing certain steel clippings from the Refrigeration Division for making BKS fans.

Frank Moritz.....Bldg. 4-4 5
Providing rack for rolls of corrugated paper used in packing Frac. Hp. Motor armatures.

W. J. Kruse.....Bldg. 20-1 5
Changes in the method of mounting certain fans in Bldg. 4-4 and 4-5.

F. E. Garland.....Bldg. 17-3 10
Improvements in the method of machining certain rivets in the Frac. Hp. Motor Division.

Louis Steup.....Bldg. 19-4 10
Use of clip on certain condenser connection leads.

Gilbert Walker.....Winter St. 15
Use of shorter forgings for DR-3 crankshafts.

Eldon Mee.....Bldg. 4-3 5
Changes to strippers on certain forming dies in the Frac. Hp. Motor Division.

Glen Castle.....Winter St. 5
Changes in the method of welding part covered by drawing V-3509510.

Manual S. Fernandis. Winter St. 5
Changes to spray booth in the Refrigeration Division.

Howard Reese.....Winter St. 5
Changes to burring operation on part covered by drawing P-4270218 in the Refrigeration Division.

Clarence E. Wagner...Bldg. 26-1 5
Salvaging leads on certain returned transformers.

Mary E. Smethers....Bldg. 26-1 5
Fixture for salvaging certain rejected transformers.

Elvie Dafforn.....Bldg. 26-1 5
Use of wedges to hold certain transformer coils in place.

W. Hoelle.....Bldg. 19-1 5
Installation of screen at ventilating fan in Bldg. 19-1.

Howard L. Poorman...Bldg. 4-1 10
Omit certain tying operations on armatures prior to soldering.

Oscar Huge.....Bldg. 19-3 5
Rough boring certain bearing shells prior to babbitting.

Robert Moore.....Winter St. 5
Providing special screen and drain pan for certain refrigerator unit parts.

Otto Leipnitz.....Bldg. 27 5
Installation of guard at air cylinders on line welders in Bldg. 27.

Robert C. Bunyan...Winter St. 5
Installation of lock on turn table in paint booth in Refrigeration Division.

Fred H. Kammeyer...Bldg. 19-4 5
Changes to insulation for IBC relay pole piece.

Harvey Bacon.....Winter St. $7.50
Use of both sides of rubber gasket used on volumetric presses in Bldg. 1-2, Winter St.

Robert Renier.....Winter St. 5
Providing depth gauge for certain bearing plates.

Paul F. Noffze.....Bldg. 26-B 5
Improvements to die 4239110 used in the Transformer Division.

Joseph G. Williams...Bldg. 19-3 5
Use of 4-in. diameter stock for clamp ring K-1792373 in the Apparatus Division.

Oliver H. Bowman....Winter St. 5
Providing switch for electrical gauge at Winter St. Plant.

Robert D. Moore.....Winter St. 5
Changes to piping and valves used in charging units with gas at Winter St. Plant.

Elsa Frede.....Bldg. 19-4 7.50
Changes to screws for part 27, drawing 2072875 used in the Meter Division.

Henry A. Doehring...Bldg. 17-1 7.50
Providing a special tool for use in assembling certain commutators in the Frac. Hp. Motor Division.

George C. Haggenjos, Winter St. 5
Installation of foot valve at steam cleaning booth at Winter St. Plant.

Irene Heckber.....Bldg. 26-5 5
Installation of paper rack in cable section, Bldg. 26-3.

Glenn E. Burns.....Bldg. 17-3 5
Providing graphs for determining the correct specific gravity of varnishes.

Joseph J. Koble.....Bldg. 26-2 10
Use of air hammer for removing certain transformer cases in Bldg. 26-2.

Cedric J. Reed.....Bldg. 26-1 5
Providing conveyor at primary test in Bldg. 26-1.

Clarence C. Gardt....Bldg. 12-1 5
Changes to catch basin near Bldg. 11-A.

Lester Arnold.....Bldg. 26-1 5
Use of gasket cement instead of paper gaskets on certain transformers in Bldg. 26-1.

Charles Gerdom.....Winter St. 5
Improvements to test for certain soldered joints in refrigerator units.

Adeline Rhodes.....Bldg. 18-1 5
Installation of maps in Reception Room, 18-1.

Clarence E. Wagner...Bldg. 26-1 5
Installation of shields at test in Bldg. 26-1.

R. C. Hageman.....Bldg. 19-3 5
Purchasing certain shaft nuts used in the Apparatus Division.

Robert J. Gass.....Winter St. 5
Installation of safety catch on gate at loading platform at Winter St. Plant.

William Law.....Bldg. 26-B $5
Changes to hangar straps on transformers. Change to transformer case.

Ruby I. DeBolt.....Bldg. 26-1 5
Use of gummed paper in wrapping bell transformers in Bldg. 26-1.

Edwin C. Koch.....Bldg. 19-5 5
Providing card holders on cable racks. Furnishing cable racks for 19-5.

Merle Morkoetter....Bldg. 26-B 5
Rearrange punch press in Bldg. 26-B.

Harvey D. Fisher.....Bldg. 26-1 5
Improvements at stacking table in Bldg. 26-1.

Arnold C. Middaugh...Bldg. 4-4 5
Providing special collet for turning operation on certain armatures in Bldg. 4-4.

Elloise Hartman.....Bldg. 4-4 5
Providing container for paper tubes at cutting operation in Bldg. 4-4.

W. F. Fowler.....Bldg. 26-1 5
Increasing size of certain holes in Type M transformer bases.

Wilmer Finger.....Bldg. 17-3 5
Improvements to lead burner.

C. W. Barney.....Bldg. 20-2 5
Changes to ventilation in battery room in tunnel.

Rex Kirkby.....Bldg. 17-4 5
Improvements at milling ma-machine 15752 in Bldg. 17-4.

Harry Magner.....Bldg. 4-2 5
Installation of shield at grinder Bldg. 4-2.

Floyd V. Fast.....Winter St. 5
Providing enamel cleaner for use in Bldg. 2, Winter St.

Jeannette Hollingshead, Bldg. 26-2 5
Writing coil numbers on coil wrappers at time of winding in Bldg. 26-2.

Milford K. Toney....Winter St. 7.50
Use of dust-proof motor for ventilating fan at Winter St. Plant.

G. Doll.....Bldg. 10-1 5
Providing fixture for cutting soldering blocks in Wire and Insulation Division.

William Kline.....Bldg. 26-2 10
Use of operator identification tags on certain coils in the Transformer Division.

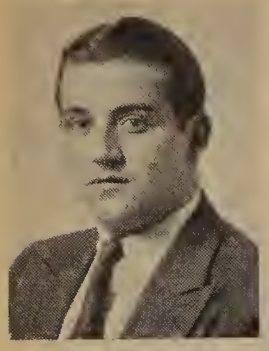
L. F. Witte.....Bldg. 20-1 5
Changes at door to protect recording instrument in Bldg. 4, Winter St. Plant.

John Bryie.....Bldg. 26-2 5
Providing rack for storing feet for certain transformers in Bldg. 26-2.

Glenn A. Glassett....Winter St. 5
Use of stub ends of drllls in machining needle valves.

Merle Morkoetter....Bldg. 26-B 5
Providing No. 25 punch and die for use in Bldg. 26-B.

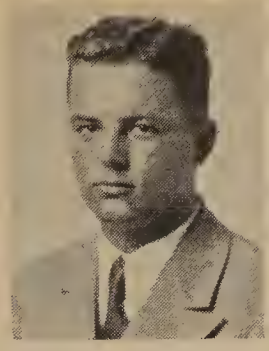
(*Continued on page 17*)



Charles Wilt



Walter Coolman



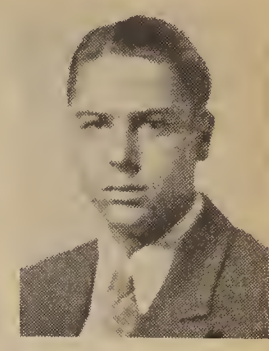
tRussel Simon



George Owens



Kermit Manecke



Charles Coles

Eight Receive Apprentice Diplomas

DURING the month of August, eight students of the Apprentice School here completed their period of apprenticeship and received diplomas.

On Aug. 1 Charles Wilt and Walter Coolman, draftsmen apprentices and Russell Simon, who took the machinist-toolmaker course, received their diplomas. Mr. Wilt comes from Pennsylvania where he graduated from the Greensburg High School in 1928. He is now working for L. E. Klingman, Bldg. 19-4. Mr. Coolman was born in Geneva, Ind., but received his school training in Fort Wayne, being graduated from Fort Wayne Central High School in 1928. He also is working for Mr. Klingman in Bldg. 19-4. Mr. Simon comes from Hunt County, Indiana, being graduated from the Roanoke High School in 1928. Temporarily he is employed on special work in the Apprentice Dept.

On Aug. 14, George Owens completed the draftsman course and now is working in the Transformer Drafting Section, Bldg. 26-2, Mr. Owens comes from Ohio, being graduated from the Pomeroy High School in 1928.

On Aug. 22, Kermit Manecke completed his apprenticeship in Drafting and on the same date Charles Coles received a diploma for completing the machinist-toolmaker course. Mr. Manecke, who comes from Delphos, Ohio, was graduated from the Jefferson High School in Delphos in 1928. He is now working for Mr. Klingman in Bldg. 19-4. Mr. Coles, who comes from Huntington, Ind., a graduate of the Huntington Township High School class of 1928, is now working in the Toolmaking Dept. under Foreman F. R. Hoffman, Bldg. 26-5.

On Aug. 28, Harold Knepp and Donald Lewis completed their apprentice training and received their diplomas. Mr. Knepp, who is a graduate, class of 1928, of the Roanoke High School, took the electrical tester course and is now working for Mr. Klingman in Bldg. 19-4. Mr. Lewis, who took our patternmaker apprentice course, graduated from the Bluffton (Ind.) High School in 1928. He is now working in the patternmaking Dept., Bldg. 10-2.



Harold Knepp



Donald Lewis

Every one of these eight graduate apprentices made good records in both class work and shop and were awarded with their diplomas the customary bonus for doing high grade work.

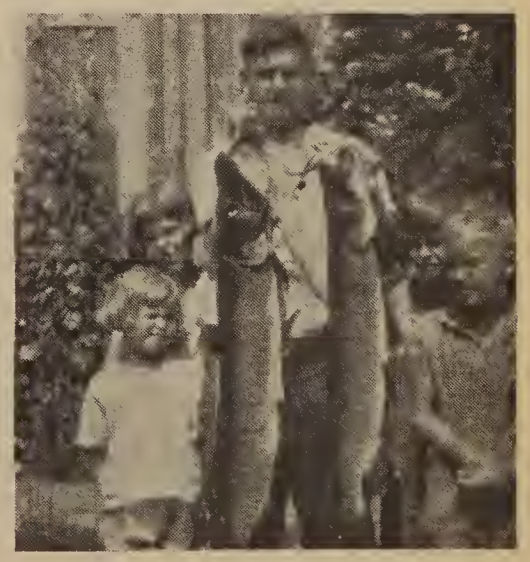
William H. Shady Pensioned

William H. Shady, of Bldg. 6-2, was granted a pension and retired from active service on Aug. 22.



William H. Shady

Mr. Shady's entire service here of just 20 years has been as an employee in our store room, his first job being in what was then known as the Receiving Dept. Later under Mr. Orff, Mr. Shady had charge of the unloading and distributing of sheet iron. Then for some time he worked in the basement of Bldg. 6 under the immediate direction of Peter Kindt on the job of cutting bar stock to lengths required about the shop and still later under Mr. Pulver he handled transformers on the fourth floor of Bldg. 6. His final job was the packing of motors, the work being done on the second floor of Bldg. 6. Although he is 72 years of age Mr. Shady says he is in good health and regularly feels better than many younger men. He has always walked to and from work, morning, noon and night, and he calculates that in this way he must have walked a total distance of something near 11,000 miles in the 20 years he has been employed here. His home is at 2120 Nelson St.



Ray M. O'Brien, Bldg. 4-4, with the 11 and 16-lb. Muskies he caught near Hayward, Wis.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each monh by the General Electric Company in the interests of the employees of the Broadway, Winter Streeet, and Decatur Plants.

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Vol. 15 September 18, 1931 No. 9

A Safety Education

IGNORANCE of the law is no defense in court; neither is a knowledge of the law unless one is moved thereby to carefully avoid any transgression of the law. Ignorance of accident dangers will not protect one from accident and neither will a realization of accident hazard save one unless such knowledge is used in avoiding the pitfalls known to lie ahead.

Recognition of accident hazards in our environment and a knowledge of how to avoid potential accidents can be acquired from a study of accidents which have happened and narrow escapes which have occurred. The reports of traffic accidents in the daily papers, the reports of industrial accidents issued by our Works Safety engineer and the posters placed on the Safety Bulletin Boards all are things to which one may well give heed. Your personal experience with accidents and instances where disastrous results might so easily have occurred should stimulate your interest in our continuous campaign to ever lower the number of accidents and eliminate all unnecessary risks. Some serious thought in regard to the matter, coupled with sane action may save you and others from much pain and grief.

Books for Your Use

WITH the passing of the outdoor recreation season it seems timely to mention the Works Library in the columns of our WORKS NEWS. The library has many excellent books and magazines which assist employees who use them in learning more about the things with which they have to deal. One set of books known as the Factory Management Series has been used heavily and everyone has said that the books are good. Other sets, "Personal Efficiency," "Business Essentials" and "Modern Business" likewise cover fundamental principles and should prove as valuable now as the day they were first placed on the shelves.

"Ingenious Mechanisms for Designers;" "Non-technical Chats on Iron and Steel;" "Transient Electrical Phenomena;" "Science in Working with Men;" "Selected Addresses of Owen D. Young and Gerard Swope;" "Thread Cutting Methods;" "Power-Factor Wastes" "Planned Control in Manufacturing;" "Organized Business Knowledge;" "Five-Day Week in Manufacturing Industries;" "Accident Prevention and Relief;" "Wage Incentive Plans;" "Electric Welding;" "Switching Equipment for Power Control;" "The Foreman and His Job;" "The Money Illusion;" and Dawes' "History of the World War" are titles taken at random from books waiting for your use. The library has something like 400 books and a number of the leading magazines are regularly on file so that there is material here for those in our factories and offices who will use it.

The library was moved this summer from the fifth to the third floor of Bldg. 18, where it is easily available from all parts of our Broadway Plant. If those in the outlying Plants, Winter Street and Decatur, will call the Library by phone, 570 at the Broadway Plant, we shall be glad to select books and send them out through factory mail.





Charles Braden, Bldg. 10-2, with the small mouth bass he caught in Michigan

Absent Employees

Donald Fox and Hugh Branstrator of the Meter Dept., Ora Etter, of the General Service Division, and W. Puetz, of the Frac. Hp. Motor Dept., Bldg. 17-2, are patients at the St. Joseph Hospital.

John Figley, of the Frac. Hp. Motor Dept., Bldg. 4-2, is a patient at the Lutheran Hospital, having undergone an operation.

Frieda Knocke, Frac. Hp. Motor Dept. Bldg. 4-4, Gratnia Patterson, Bldg. 4-2, Edward McKering, Bldg. 4-5, Jane Brosher, Frances Coons and Emma Bradford of Bldg. 4-2, are at their respective homes recovering from recent operations.

Bessie Justus, 17-2; Irma Kirn, 4-4, and Clara Hueber, 19-4, are still confined to their homes following operations.

Herman Doell, Apparatus Dept., Bldg. 19-3, and Emma Doty, Meter Dept., Bldg. 19-4, are unable to be at work on account of sickness.

Charles King, of the Frac. Hp. Motor Dept., Bldg. 4-4, has recently gone to Albuquerque, New Mexico, to secure the benefit of change of climate for pulmonary infection.

These absent employees have the best wishes of all for speedy recovery.

President Gerard Swope Proposes Comprehensive Plan For Stabilization of Business Enterprises

Presented Before Leaders of Electrical Manufacturing Industry—Embodies Industrial Diplomacy of Nation-wide Significance

BUSINESS depressions must be permanently cured and industry itself, rather than legislative bodies, must find the cure. So declared President Gerard Swope before the National Association of Electrical Manufacturers on Sept. 16 at the Hotel Commodore. As a practical means to the end sought, Mr. Swope then laid before the association a suggested plan for preventing "hard times" by stabilizing, first, consumption and production, and secondly, employment.

"Industry," said Mr. Swope, "exists basically for serving the needs of the people, and therefore production and consumption must be co-ordinated. Consumption is by the mass of the population, not the few, and of course the great mass of the population is made up of wage earners and their dependents. That they may be able to buy and satisfy their needs, they must have not only adequate incomes, but must be sufficiently assured of the future to feel that they are safe in spending their money."

Mr. Swope named five basic principles which, he said underlie his proposals. These are: Regularity and continuity of employment by the stabilization of industry, with unemployment insurance to fall back upon; leadership by organized industry, with which responsibility rests, thus avoiding the lack of uniformity and co-ordination which would arise if the various legislatures assumed the leadership; standardized forms of reports to stockholders to give the owners of a business the proper information regarding the business; co-ordination of production and consumption on a broader and more intelligent basis for the particular benefit of wage earners; the promotion of initiative and enterprise and the protection of the public, the latter to be attained by federal supervision.

"There is nothing new in what I am proposing." Mr. Swope declared. "I am merely bringing together well considered propositions that have found support, including some that have been put into actual practice." He added that he offered his plan "as a means to correlate into a comprehensive whole the undirected efforts of forward-looking business enterprises in the direction of stabilization," "Such stabilization," he said further, "would have for its purpose the protection of employees and stockholders, the best service to the public, and the best interests of society."

Five Basic Principles of Plan

1. Regularity and continuity of employment by stabilization of industry, with unemployment insurance to fall back upon.

2. Leadership by organized industry.

3. Standardized forms of reports to stockholders.

4. Co-ordination of production with consumption on a broader and more intelligent basis for the particular benefit of wage earners.

5. The promotion of initiative and enterprise and the protection of the public, the latter to be obtained by Federal supervision.

Mr. Swope's plan, which he proceeded to describe, would set up, first of all, a trade association in each respective industry, these associations to be under the supervision of the Federal Trade Commission, or a bureau of the Department of Commerce, or some federal supervisory body specially constituted. The trade associations would be expected to "outline trade practices, business ethics, methods of standard accounting and cost practice;" they would collect and distribute information on volume of business, inventories of merchandise on hand, standardization of products, stabilization of prices, "and all matters which may arise from time to time relating to the growth and development of industry and commerce in order to promote stabilization of employment and give the best service to the public."

Such items as standard accounting and cost systems and standardized forms of balance sheet and earnings statement, quarterly statements to stockholders of business and earnings and a complete balance sheet and earnings statement annually would be subjected to the utmost uniformity of practice, at least within each individual industry. Companies of an industrial or commercial character, having 50 or more employees and doing an interstate business would come within the scope of the plan, and they would be required to adopt the provisions of the plan within three years, unless the time should be extended by the federal supervisory body.

It is specified in Mr. Swope's proposal that the participating companies should adopt, for the protection of their employees, certain employee plans listed and described by him in his address. These are workmen's compensation, life and disability insurance, pensions, and unemployment insurance. Particularly significant is the provision that an employee would retain all the benefits of these welfare plans in

case he should transfer from one company to another. If he left his original employer, for some good reason, and went with another concern, he would not thereby forfeit his pension, his insurance, his unemployment insurance contributions nor his status under workmen's compensation. This would sustain the contentment of the workers and contribute to the stabilization of employment on an extensive scale.

The pension provision includes contributions by employees to a minimum of one per cent, the plan now in effect in the General Electric organization. The unemployment insurance plan, also modeled on that of General Electric, would involve equal contributions by the company and the employee and payments in times of lay-off amounting to 50 per cent of average full-time earnings, up to a maximum of $20 per week. The principle of joint administration by management and men in these several employee plans is to be followed.

In addition, a general board of administration would be formed by each trade association, this board to have nine members representing the trade association, the employees of the member companies, and the public. The general board of administration would constitute a body of overseers. Its duties, as laid down by the proposed plan, would be to interpret the various employee plans, supervise the individual boards of administration of the various companies, form and direct a pension trust for the custody, investment and distribution of pension funds, and in general direct all activities connected with the employee plans.

"The foregoing plan," said Mr. Swope, "tends to put all domestic corporations of the class described on a parity for domestic business, thereby removing the inequalities of the different laws in the several states, provides for standard forms of financial reports and their periodical issuance for the information of stockholders, and places on organized industry the obligation of co-ordinating production and consumption and of a higher degree of stabilization.

"This will tend to assure more uniform and continuous employment for the worker and the removal of fear from his mind, allowing him to devote himself whole-heartedly to his task. The cost of the product will include these items and will therefore be paid for by the users of the article or service, and not in general by members of the community who are reached by the vicarious methods of the imposition of a tax.

"Then organized industry will be in a position that it should rightly assume of serving the public, with public confidence and with the joint participation of workmen and management in the solution of these vital and far-reaching problems."



WORK IN PROGRESS AT NIGHT UNDER G-E FLOODLIGHTS

A night view of construction work at the Osage Dam, near Bagnell, Mo., scene of the Osage hydroelectric development of the Union Electric Light and Power Company. This gigantic project was started early in August, 1929; construction went forward by night as well as by day, aided by the light from 80 General Electric floodlighting projectors, and the last sluiceway has been closed.

The dam, 2543 feet long and 146 feet high, will back up the water for a distance of 129 miles, forming a lake 95 square miles in area and with a shore line of 1300 miles. The available storage of this immense "lake," based on a 30-foot draw-down, will be 52 billion cubic feet. The hydroelectric energy storage will be 80,000,000 kilowatt-hours.

Suggestion Awards Total $30,444 for First Half of 1931

Report Shows Decrease from 1930

A TOTAL of $30,444 was paid on adopted suggestions submitted by G-E employees during the first six months of the year 1931. There were received a total of 11,452 suggestions of which 3658 were adopted. The two highest awards, $350 each, were paid to Roe Ormiston of the Fort Wayne Works for his suggestion regarding the process of making the separations for the trays used in freezing ice cubes in G-E refrigerators, and to Thomas J. Rush of the Schenectady Works for his suggested improvement on punch press work. In addition to these awards there were several in the neighborhood of $200 each distributed through the various plants.

The Suggestion System has always been popular since its creation, but figures this year indicate that there are a great number of employees who are failing to take full advantage of the returns it offers. Opportunities to profit through suggesting are manifold. No product manufactured anywhere is perfect; there are still details that can be added or subtracted and often it is these small changes that result in immense savings. Regardless of the type of work a man is engaged in, he can, if he will, profit by the System. But it is the man in the shop, he who is most intimately concerned with the manufacture of a product, who is in the best position of all to suggest improvement in design or manufacturing method. He can discover imperfections and oversights that the engineer can not foresee; he is the one to whom the Suggestion System offers the richest returns.

It has been said that one is recompensed by an undertaking in direct proportion to the effort that he has put into it. This is certainly true of the Suggestion System. Aside from the cash awards it offers, there remain as further rewards, better and safer working conditions, lower costs and increased business. The slogan of the System is as true today as it has been in the past and will be as true in the future as it is at present. *There is always a better way.*

Following is the Suggestion Report by Works for the first six months of 1931 as compared with the first six months of 1930:

Works	Number Suggestions Received		Number Suggestions Adopted		Total Awards		Highest Awards	
	1930	1931	1930	1931	1930	1931	1930	1931
Bloomfield	290	332	85	101	$1625	$910	$175	$150
Bridgeport	479	416	154	104	$1345	$1095	$75	$65
Erie	2552	1407	928	486	$5216	$2716	$170	$200
Fort Wayne	4242	2527	1075	813	$8913	$6018	$200	$350
Oakland	43	19	16	4	$85	$15	$10	$5
Philadelphia	2721	1493	743	392	$5838	$1950	$385	$200
Pittsfield	1734	1745	545	438	$6685	$3575	$300	$210
River Works	832	581	395	221	$3115	$1560	$180	$100
Schenectady	3999	2391	1440	918	$21750	$11385	$1000	$350
West Lynn	582	541	235	181	$2402	$1220	$200	$100
Total	17474	11452	5616	3658	$56974	$30444		

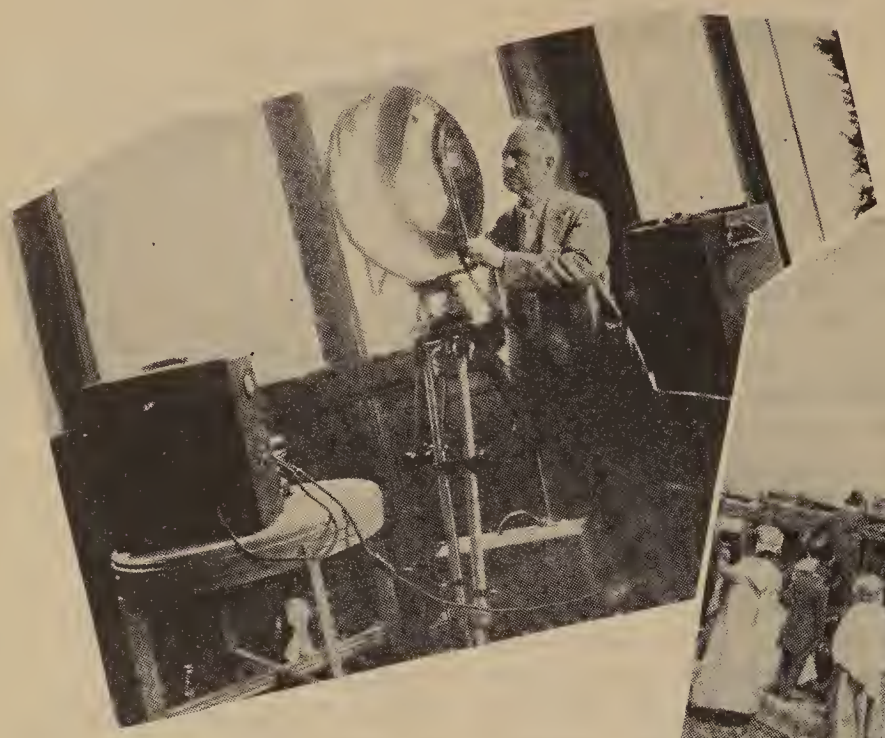
Electrical Pioneer Relates Story About Thomas Edison For Boys

THOMAS A. EDISON'S interest in young men as indicated in the annual choice of a high school graduate to receive the Edison scholarship makes it particularly interesting to discover that more than 50 years ago he was helping boys to get started in life by hiring several for work in his famous laboratory at Menlo Park, N. J. One of these lads of 1878-79, the only one still living, now a man of 70 or more, has become reminiscent and has imparted the glamor and the excitement of the "old days" to William A. Simonds, Henry Ford's editor, who has produced from this source an entertaining book for juvenile readers entitled "A Boy with Edison." The book has just been published in New York.

Chiefly through vivid, colorful dialogue, Mr. Simonds relates how Francis Jehl, then a boy of 18, first went to the laboratory, with a letter of introduction from one of the big lawyers in New York, in whose office he had previously worked. He carries the narrative along through the creative days of the chalk telephone, the first dynamo and the incandescent lamp. He depicts the scenes of happy comradeship which were intermingled with the work, usually around midnight, and introduces the reader to the "old guard" of Edisonian tradition—Charles Batchelor, John Kruesi, Francis R. Upton ("Culture"), and the "musical glassblower," Ludwig Boehm, the unsophisticated German youth who was the target of all the jokes which his prankish young American companions could think of.

Through it all the boy reader of today will obtain an acquaintanceship with the proverbial Edisonian type of common sense and how it was applied in actual practice to some of the greatest problems, resulting in some of the most brilliant achievements in American electrical history. There are 25 chapters and more than 40 illustrations.

G-E News Photos



Left: John B. Taylor of the G-E Research Laboratories setting up apparatus for a recent demonstration of "talking light" aboard the S. S. "President Hoover"



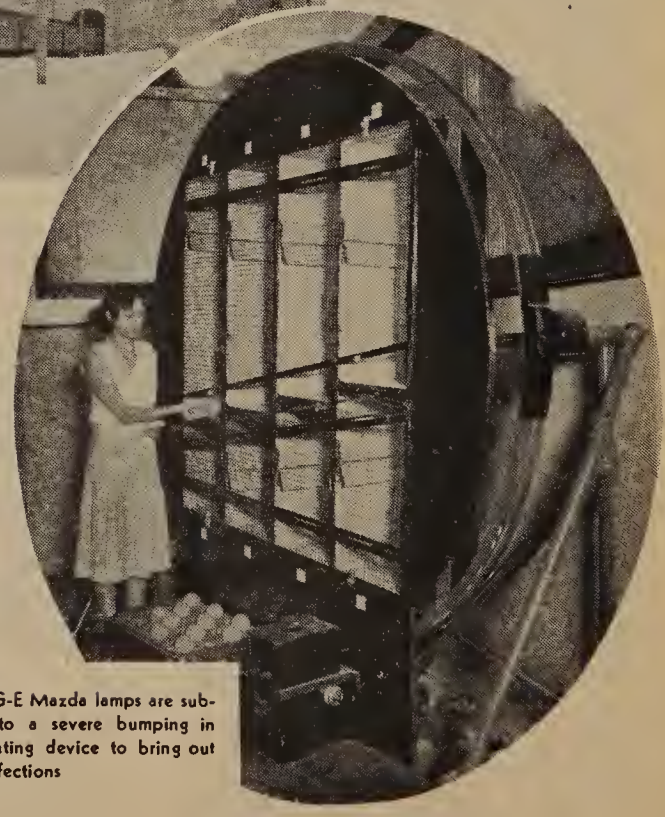
Above: The historic "DeWitt Clinton" which made its first run between Albany and Schenectady 100 years ago this month. Compare this pioneer engine with the modern G-E electric locomotive at the left

Right: A century of railroading experience went into the construction of this big electric locomotive which is a direct descendant of the "DeWitt Clinton" pictured at right. It was built in the G-E Erie Works for the Great Northern R. R.



Below: A view of a recent demonstration staged in Cincinnati by G-E engineers showing photoelectric tubes helping to speed up the mails by sorting mail sacks





Right: G-E Mazda lamps are subjected to a severe bumping in this rotating device to bring out imperfections

Around the World with General Electric

Cleveland

G-E engineers in collaboration with the Cleveland Crane and Engineering Company have devised a system for speeding up the sorting and routing of mail at railroad terminals. The mail for each city is placed in separate sacks which, when full, are placed in tray containers that travel on an automatic conveyor system. The containers are made up into "trains" pulled along by a motor-driven carrier, as many as 50 containers making up a train. The little mail train has for its destination a loading platform along which are railway mail cars, each going to a different city. Through the aid of photoelectric tubes the mail sacks are automatically dropped on the loading platform near the proper cars.

S. S. *Saturnia*

Receiving radio programs from New York at a distance of 2000 miles and from Milan at a distance of 3000 miles is the remarkable performance reported by Captain Benci of the S. S. *Saturnia.* The radio set with which this feat was accomplished is a G-E Radio Phonograph Combination and so well pleased was Captain Benci with the performance that he purchased the set for his own personal use. Some of the Italian programs received at the distance of 3000 miles were recorded on the home recording unit of this model.

Australia

A surprising amount of G-E equipment is employed in "abetting the bettor" along Australian race courses. This equipment is used in devices known as totalizators which through an ingenious arrangement including Selsyn transmitters and receivers indicates directly the odds on the individual horses at any instant. For four-race courses a total of 638 Selsyn receivers and transmitters are required and this number, it is believed, is the largest number ever ordered by any one customer.

Mexico

The G-E electric iron is still gaining in popularity among Mexican housewives if recent orders can be taken as indications. An order for 5240 irons was received a short time ago and when shipment was made, a whole freight car was required to carry the order to its destination. Attached to the side of the car was a banner announcing in large letters: "A solid carload of Hotpoint Electric Irons for General Electric S. A. Mexico."

New York

A program consisting of a speech, phonograph records, and radio broadcasts from nearby stations was recently projected 3000 feet across the Hudson River on a narrow beam of neon light. The experiment was conducted by John Bellamy Taylor, of the G-E research laboratories, between the S. S. *President Hoover* docked at Jersey City and Pennsylvania pier 29 at Canal Street, New York City. Only a small red light on the pier was visible from the ship. This was from the powerful neon tube which changed the impulses from the microphone into light waves, which in turn, through the aid of mirrors, were then projected across the river and picked up on the ship. In the center of the receiving mirror was a photoelectric tube which caught the flickers of projected neon light and changed them back into sound impulses which were made audible through the use of a radio loud speaker. "The significance of this experiment," stated Mr. Taylor, "was to demonstrate the possibilities of confining radio messages to one direction in a narrow beam."

Bermuda

The area of Bermuda is 19 square miles and the white population is only in the neighborhood of 7000 persons, yet more than 400 G-E refrigerators have been sold throughout the island.

Cleveland

One would think that electric lamps would be handled as carefully as possible before they are sold to a customer but some newly-made G-E Mazda lamps on the contrary receive a rough test in a Gravity Impact Tester before shipment. The Gravity Impact Tester is a machine containing eight compartments graduated in size. New lamps are placed successively in each of the eight compartments and the machine is rotated and the lamps are thumped and bumped about. In all each lamp receives 80 bumps and as a result any imperfection in the bulb is brought out making it easy to ascertain whether or not the lamp can stand up under adverse shipping or handling conditions.

Philippine Islands

An electric sign which attracts attention from far and near is the one which stands on the roof of the Paterno Building in Manila. The sign is a G-E refrigerator in outline with "General Electric Refrigerator" spelled across it in large letters and a G-E monogram in the center. Incidentally this is the largest electric sign in the Philippines.

Buffalo

In the past it has been difficult to read the high temperatures required in special electric furnaces used for industrial and laboratory purposes, and it has been next to impossible to control these furnaces or to maintain a set temperature. At a recent meeting of the American Chemical Society, Dr. L. R. Koller, of the G-E research laboratories announced a solution for this problem. A photoelectric tube focussed on the furnace wall, or on some object in the furnace controls the temperature by acting as the brightness increases or diminishes. Inasmuch as the brightness of an object varies about 16 times as fast as its temperature, the photoelectric tube is able to keep a constant check on the furnace.

G-E Electrified Locomotives for New Inland Port

They will be Used as Switch Engines in New Port Of Albany, which is Over 150 Miles from the Sea



The Locomotive at It's Christening

THE first of two 48-ton gas-electric switching locomotives, of which the electrical equipment and trucks are furnished by General Electric, ordered by the Port of Albany (New York), was placed in operation on Aug. 3. The occasion was signalized not only by the presence of members of the Albany Port District Commission, but by the anchoring in the harbor of two ships from Leningrad laden with Russian lumber. While the stevedores were busy unloading the ocean-going boats the first locomotive was christened "Mr. Albany" with water from the Hudson River by Peter G. Ten Eyck, chairman of the commission and former member of Congress.

Albany, although approximately 150 miles up the Hudson from New York, where that river meets the sea, is now a seaport, with a channel of a minimum depth of 27 feet and a minimum width of 300 feet leading to it. This, it is asserted, is of sufficient size to permit the passage of 85 per cent of the merchant ships of the world. This channel is being provided by the United States government at an authorized project cost of $11,200,000.

Terminal facilities are being provided by the cities of Albany and Rensselaer at an estimated cost of approximately $10,000,000. The Port of Albany Development includes 300 acres, with a mile and a half of waterfront on the west (or Albany) side of the river, and half a mile on the other. On the west side 4100 feet of dock wall have been completed, and 600 feet on the east side. The harbor is 740 feet wide, with a depth of 30 feet. Ten miles of standard-gauge railroad track have been constructed on the Port properties, and there is direct rail connection with the New York Central, West Shore, and Delaware & Hudson tracks.

An initial transit shed, fireproof and equipped with an automatic sprinkler system, is being built, and a second transit shed will be started at once.

A fireproof warehouse constructed of concrete and steel, and having 100,000 square feet of floor space, is under construction and is expected to be completed shortly.

One steamship line has already instituted regular monthly sailings between Albany and Pacific Coast ports, and arrangements have been made by one of the trans-Atlantic lines to have its ships plying between Liverpool and other English ports and the United States, call at the Port of Albany.

The switching locomotive referred to contains a dual power plant, consisting of a Climax engine direct connected to a G-E generator. The motors are of the G-E HM-829 type. The other locomotive, which has not yet been delivered, is identical with it.



The Locomotive Beside the Trans-Atlantic Freighter, Helping Unload It's Lumber Cargo

West Lynn Recaptures Lead In Safety Contest

THE Inter-Works Accident Reduction Contest at the end of July finds West Lynn with a record of three months without an accident back in first place in Division 1. Philadelphia leads Fort Wayne by 0.03 and in Division 2 Bloomfield is only 0.02 behind Erie. The standings of the various plants follow, an asterisk denoting improvement over the previous month:

Division 1	Division 2
*West Lynn	Erie
Meriden	*Bloomfield
*Oakland	Bridgeport
Philadelphia	ALL PLANTS
*Fort Wayne	*Schenectady
*Pittsfield	*River Works



The Freshly Cut Hay Comes in at the Right and After Passing Through the Cutter and Dryer, Leaves at the Left, Bagged and Ready to Be Blown into the Barn

Making Hay Without the Sun

Artificial Dryer and G-E Motors Take Away From the Sun Another of its Traditional Jobs

ANOTHER of the sun's steady jobs has been taken away, and another agricultural proverb has been proved out of date, at E. B. Ashton's Ashgrove Farms, near Saratoga, N. Y. Making hay whether the sun sees fit to shine or not is something that the Ashgrove Farms have been doing ever since last June with the aid of an artificial dryer and electric motors. And it has been profitable.

Experiments in artificial drying of hay have been carried on for some time, and a large manufacturing concern of Milwaukee, has been manufacturing an electrically-driven machine, known as "Ardrier," for curing the hay crop regardless of prevailing weather conditions. The installation of this machine at the Ashgrove Farms, near Saratoga, is the latest and most successful of the applications, and it has aroused considerable interest.

This has been an exceptionally bad year for forage crops because of the excessive rainfall, but Mr. Ashton has stored in his barns about 600 tons of dried alfalfa and mixed hay of high quality, and it would seem that a fickle sun has been successfully flouted. It has been estimated that about one-half of the crop would have been lost, or of poor quality, had suncuring been relied upon.

The artificially dried hay is highly nutritious because the leaves, which become wet with rain and are easily lost in sun curing, are saved. The crop as a whole is higher in protein and fat values and lower in fiber content. After drying, the hay can be stored indefinitely without heating, sweating, fermenting, or discoloring.

The bale of hay—another traditional expression—also has passed from the picture at the Ashgrove Farms. The hay is first delivered to a cutter, driven by a G-E 20-hp. motor, where it is chopped into fine pieces—suitable for later automatic handling but forever out of the province of the baler. The amount of moisture in the crop offers no difficulty. It is fed from the cutter to a revolving cylinder, seven feet in diameter and 20 feet long. At one end of this drum is an oil furnace and the hay and hot air are drawn through the cylinder, or dryer, by an exhaust fan located at the outlet end. The dried hay is then delivered to a collector from



Another View of the Hay-maker, Showing the G-E Motor Operating the Cutter



A G-E Motor Operates the Blower Which Carries the Hay into the Barn

which it is fed to a blower and blown directly into the mow in the barn. The cylinder of the dryer and the blower are driven by G-E motors of 25 and 10 hp. respectively.

On the Ashgrove Farms, part of the material from the collector was bagged as it came from the dryer and trucked to the main barn a half-mile away, where it was then blown into the mow, the blower taking the place of the traditional hay carrier. Except for this partial variation because of the location of the barns, the single operation of cutting and drying the hay, direct from the fields, was done in one spot.

As a rule the artificial drying machine is set up as near the center of the hayfields as possible, so that the wet forage need be hauled a very short distance. The hauling operation after drying is considerably easier, as the dry hay weighs about one-third as much as in the preliminary stage. Another advantage derived from this chopping and drying process is that the whole crop is devoured by the cattle when it is cut up and no stalks are left. The dried hay retains its natural green color.

Mr. Ashton has estimated that the cost of his summer crop of hay was no greater because of the artificial drying process, the crop itself was of higher quality and feed value, and all the losses usually following a rainy season were eliminated.

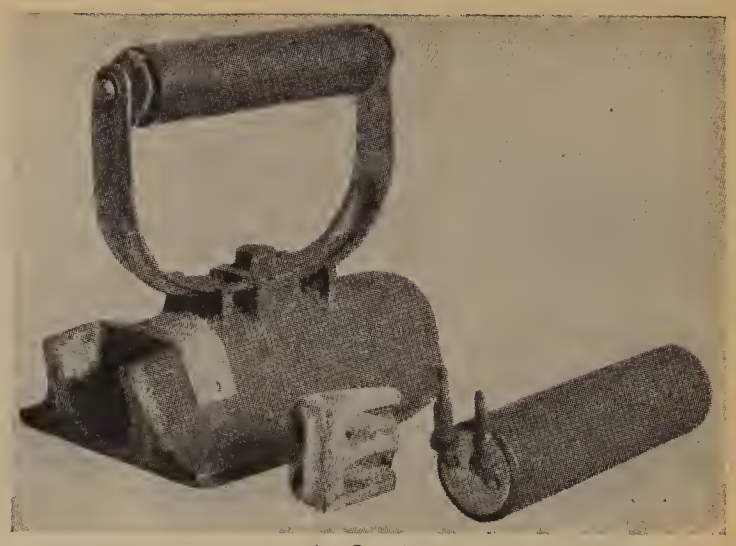
It Still Works After 24 Years of Service

HERE is an old electric iron that has been in service some 24 years. A few weeks ago it was turned in to the service department of the Georgia Power Company for repairs. Investigation showed nothing wrong with the iron, only the cord had burned out. The cord was repaired, and the iron immediately "perked up" and went to work. The accompanying illustration shows the three parts of the iron.

The heating element is cylindrical in shape, with the resistance wire wound on a porcelain core. This is encased in a brass shell, with the terminals at one end. The element is slipped in the iron and held in place by a wedge-shaped piece of porcelain. The owner of the iron states that no repairs have ever been made to the iron, with the exception of several new wooden handles. Since there is no insulation between the handle and the iron, which is cast in one piece, the handle gets just as hot as the face of the iron. It's quite a trick to use this iron and not accumulate blisters.

However, the merchandise department of Georgia Power Company offered to exchange a new iron for the old one, but the owner of the old iron refused. Maybe the iron has hidden charms.

The iron bears the nameplate of the General Electric Company, catalog No. 26815, 4¾-amp., 105-115 volts. The Edison General Electric Appliance Company tells us the iron was made in 1907, and is one of the earliest types of electric irons manufactured by that company.



An Old Iron

Announcing a New Line of MAZDA Lamps

A NEW line of decorative MAZDA lamps retailing at 15 cents was announced by President Gerard Swope on Aug. 22. This represents a 25 per cent lower price than that at which standard lamps have previously been offered.

The new lamps are made in the 30-watt size; spherical bulb shape, and in two standard voltages, 115 and 120 volts. They are available in a variety of six bulb finishes and colors. The lamps may also be used for general illumination.

Much G-E Lighting Equipment is in Use At Floyd Bennett Airport

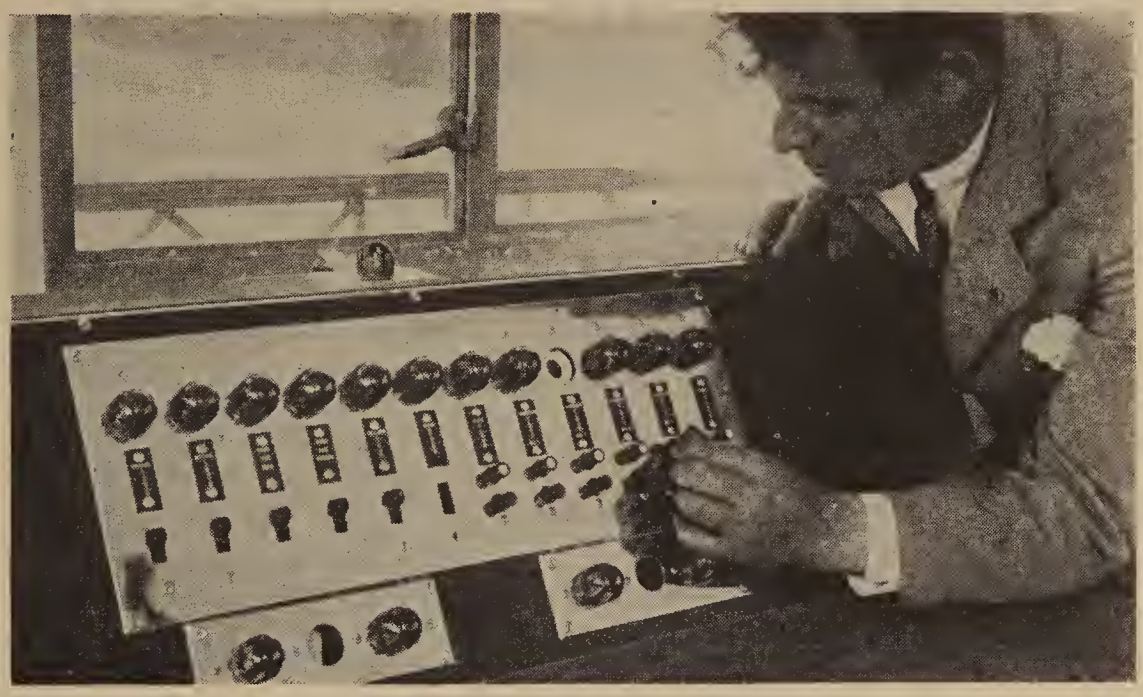
A COUPLE of years ago few people would have believed that airplane traffic would increase so rapidly that it would now be necessary to install traffic lights on airports. Yet at the Floyd Bennett Airport, New York's municipal flying field, there was installed this year a three-color, three-way G-E traffic light for controlling airplane traffic on the apron. This is the first application of the traffic light in this field.

The airport has also much other G-E equipment including control panels in the administration building tower from which one operator has fingertip control of every type of light on the field; revolving and code beacons; boundary lights of both the "tip-over" and "flush mounted" types; a ceiling light and indicator (alidade); floodlights to illuminate hangar aprons; motor-generator sets for the field floodlights; constant-current transformers and distribution transformers.

In addition, about 40,000 feet of G-E non-metallic cable, 20,000 feet of miscellaneous types of cable, panelboards, and transformers, automatic switches and 500 pounds of compound junction boxes and conduit were installed.

Thus G-E equipment plays a very important part in insuring the safety and convenience of flyers at this up-to-date airport. One interesting feature of the control equipment is the indicating lamps at the top of the control panel which show when the automatic lamp changer has operated in the beacon so that it can be known immediately when the beacon is operating without a spare lamp.

Some of the G-E Equipment at the Floyd Bennett Airport



The Administration Bldg., showing G-E revolving and code beacon, three G-E 1000-watt floodlights, and the famous *Winnie Mae*

The G-E remote control board in the tower of the Administration Bldg. which gives the field operator finger-tip control of all lighting equipment

Three of the 1000-watt G-E floodlights which are used on the Administration Bldg. and the hangars to light the apron of the airport



A 3-color, 3-way G-E traffic lighting system in use for first time on an airport for controlling plane traffic on the apron



A general view of the airport showing the Administration Bldg. on the right, the apron, and the Field Floodlighting Bldg. in the distance

SCHENECTADY UNION-STAR

Transmitted by The Radiomarine Corp. of America

VOL. I. SCHENECTADY, N. Y., AUGUST 5, 1931 No. 6

Lindberghs at Aklavik

AKLAVIK, Northwest Territory, Aug. 5—Col. Charles A. Lindbergh arrived here today after a 1,115-mile nonstop flight from Baker Lake. The flying colonel was notified here that the United States cutter taking fuel to his stopping point, Point Barrow, had been forced to abandon the trip due to fog about 150 miles from objective.

* * * * * *

200 Forest Fires in North Idaho

SPOKANE, Wash., Aug. 5—More than 200 forest fires were reported in the Priest River valley section of North Idaho today with 2,000 men waging battle against flames. Eighteen families barely escape death in fire-torn area.

* * * * * *

DO-X Leaves Rio for New York

RIO DE JANEIRO, Aug. 5—The huge German flying boat, DO-X, left here today for Bahia on its way to New York. There were 10 passengers on board including two women.

* * * * * * *

World Flyers Plan Tokyo-Seattle Flight

NEW YORK, Aug. 5—Clyde Pangburn and Hugh Herndon jr., who set out to beat the 'round-the-world record of Post and Gatty and were forced to remain at Khabarovsk, Siberia, will attempt to fly non stop from Tokyo to Seattle.

German Banks Reopen Quietly

BERLIN, Aug. 5.—The quiet reopening today of all German private banks surprised government and banking officials. Deposits were substantially higher than withdrawals.

* * * * * *

Diamond Witness Loses "Memory"

NEW YORK, Aug. 5.—Prosecution witness in trial of Jack (Legs) Diamond on prohibition law charges suffered lapse of memory when put on the stand in federal court today. Even presentation of grand jury testimony failed to refresh his memory.

* * * * * *

Security Markets Again Under Pressure

NEW YORK, Aug. 5.—The security markets were under pressure today due to the cheerless reports on the total volume of raw steel produced and the railway freight situation. Trading again was dull and weakness of American Telephone was outstanding.

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Trying to Sell S. S. Leviathan

WASHINGTON, Aug. 5—(UP)—United States Shipping Board officials are in New York today attempting to sell the S. S. Leviathan and her sister ships of the United States Lines, because they have not been profitable.

One of the Newspapers Transmitted By Radio Television

A Newspaper for Ships at Sea

Television Apparatus Developed in G-E Research Laboratory Transmits Paper to Trans-Atlantic Steamships

A DAILY newspaper, especially prepared for radio facsimile transmission by the Schenectady Union Star, was sent daily from General Electric's short wave station at Schenectady for several weeks starting July 30. This newspaper was compiled late in the afternoon and contained the latest news of the day. It is transmitted between 9 and 11 o'clock at night over apparatus developed by Dr. E. F. W. Alexanderson.

Reception of this radio newspaper is limited at present. Receivers have been installed by the Radio Marine corporation on two trans-Atlantic liners, the S. S. *Homeric* and the S. S. *Minnekahda,* and another is being operated in Dr. Alexanderson's department in General Electric's research laboratory here, located about three miles from the transmitter. The receivers are known as the carbon facsimile recorders, developed a year or two ago by Charles J. Young, son of Owen D. Young, while he was an engineer connected with the Company's Radio Dept.

The receiver is no larger in size than the ordinary suit case. It prints an exact copy of the page sent on a roll of paper which automatically moves through the machine at the rate of about an inch a minute. It prints by carbon, an advantage over earlier facsimile machines where photographic developing of the page was required before it could be read.

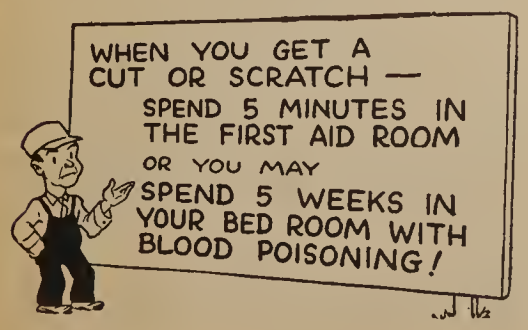
The facsimile transmitter, used in sending the page, was developed in the Company's radio laboratory by Dr. E. F. W. Alexanderson. It is located in the Company's short wave radio station at South Schenectady. An Alexanderson directional antenna is used, such as was developed for the Company's radio broadcasts to Admiral Byrd when he was at Little America. This increases the transmitted signal strength about twenty-fold.

The threshold of facsimile transmission and reception was crossed about a year ago when the front page of a San Francisco newspaper was reproduced in Dr. Alexanderson's laboratory three hours after it had left the newspaper press in California.

"The beginning of facsimile transmission is marking a new era in radio," according to Mr. Young. "It means the sending of intelligence in a form which the eye can use instead of the ear—a picture instead of a story, a printing machine instead of a loudspeaker.

"For, after all, if you want to impart an idea to someone else, speech is a rather limited method. You can only talk so fast and you can only tell one story at a time. Or, if you are distributing news to many people, it is like asking them to read their newspaper through a hole which covers only one sentence at a time. That is not the way one reads his paper. He scans the entire sheet, notes the headlines of many stories and their relative importance, and then reads those of interest to him. From looking at a simple picture he becomes instantly acquainted with a situation which it would take many minutes to portray in words.

"It is because one of the objects of radio is to transmit facts and ideas clearly that facsimile will be of great importance."



Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of July 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
	1931						
2	May 24	Harry O. Boehm	33		*	Wife	Yes
36	June 13	Antoni Benak	60	Wife	Yes	Wife	Yes
27	June 20	Niels Nielson	56	Estate	Yes	Estate	Yes
22	July 4	Felix Zach	48	Sister-in-law	Yes		
8	July 7	Mary E. Farry	25	Mother	Yes	Mother	Yes
10	July 10	Edward T. McDonnell	46	Wife	Yes	Wife	Yes
25	July 12	Edward Grigoleit	58	Wife	Yes	Wife	Yes
15	July 21	Charles H. Polch	36	Wife	Yes	Wife	Yes
River Works							
15	July 12	William D. Andrews	43	Wife	Yes	Wife	Yes
10	July 12	William O. Doherty	54	Wife	Yes	Wife	Yes
19	July 24	Alvah M. Norris	63	Wife	Yes	Wife	Yes
Pittsfield Works							
2	May 31	Albert J. Daigle	31	Wife	Yes	Wife	Yes
10	July 3	Patrick McInerney	51	Wife	Yes		
Erie Works							
1	June 17	John Bloom	43	Wife	Yes	Wife	Yes
Fort Wayne Works							
5	June 11	John T. Myers	32	Wife	Yes	Wife	Yes
12	June 24	Richard Taylor	51	Wife	Yes	Wife	Yes
4	June 26	Gabriel J. Oswald	37		*	Wife	Yes
6	June 29	Dorus D. Werling	27	Wife	Yes	Wife	Yes
24	June 29	Edward J. Mosshammer	47		*	Wife	Yes
9	July 18	Fred W. Schmitt	57	Wife	Yes	Wife	Yes
Bloomfield Works							
12	July 22	Thomas E. North	44	Wife	Yes	Wife	Yes
General and District Offices							
8	June 12	Russell McCue	32	Wife	Yes	Wife	Yes
6	July 2	Frederick O. Scott	43	Wife	Yes	Wife	Yes
21	July 20	George G. Cree	42	Wife	Yes	Wife	Yes
25	July 26	Robert S. Johnston	49	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
7	July 4	Josephine Artino	21	Disability		Mother	Yes
28	July 24	Walter Ennes	67	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
24	June 20	Joseph Navratil	65	Wife	Yes	Disability	
33	July 7	Alexander Zarembski	56	Wife	Yes	Disability	
24	July 11	Louis T. Latrimore	64	Wife	Yes	Wife	Yes
River Works							
29	July 21	Thomas J. Williams	68	Wife	Yes	Wife	Yes
Bloomfield Works							
26	July 26	William H. Hubbs	69			Son	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid Month of July, 1931	27	$ 31,678.37	28	$ 59,500
Claims previously paid, 1931	186	215,637.96	191	319,500
Total Claims 7 Months, 1931	213	$247,316.33	219	$379,000

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.	Add'l Ins.
Schenectady Works					
4	July 2	Exerie L. Benoit	23		Yes
28	July 21	John Brozofski	53		Yes
26	July 22	Charles Kleinhens	54		Yes
River Works					
2	July 24	Harold Tengberg	31		Yes
West Lynn Works					
11	July 9	Marie A. Belliveau	32		Yes
Pittsfield Works					
3	July 1	Paul Feurlink	44		Yes
19	July 15	John J. Coakley	59		Yes

*Free Insurance cancelled after one year's absence due to illness.

(*Continued on next page*)

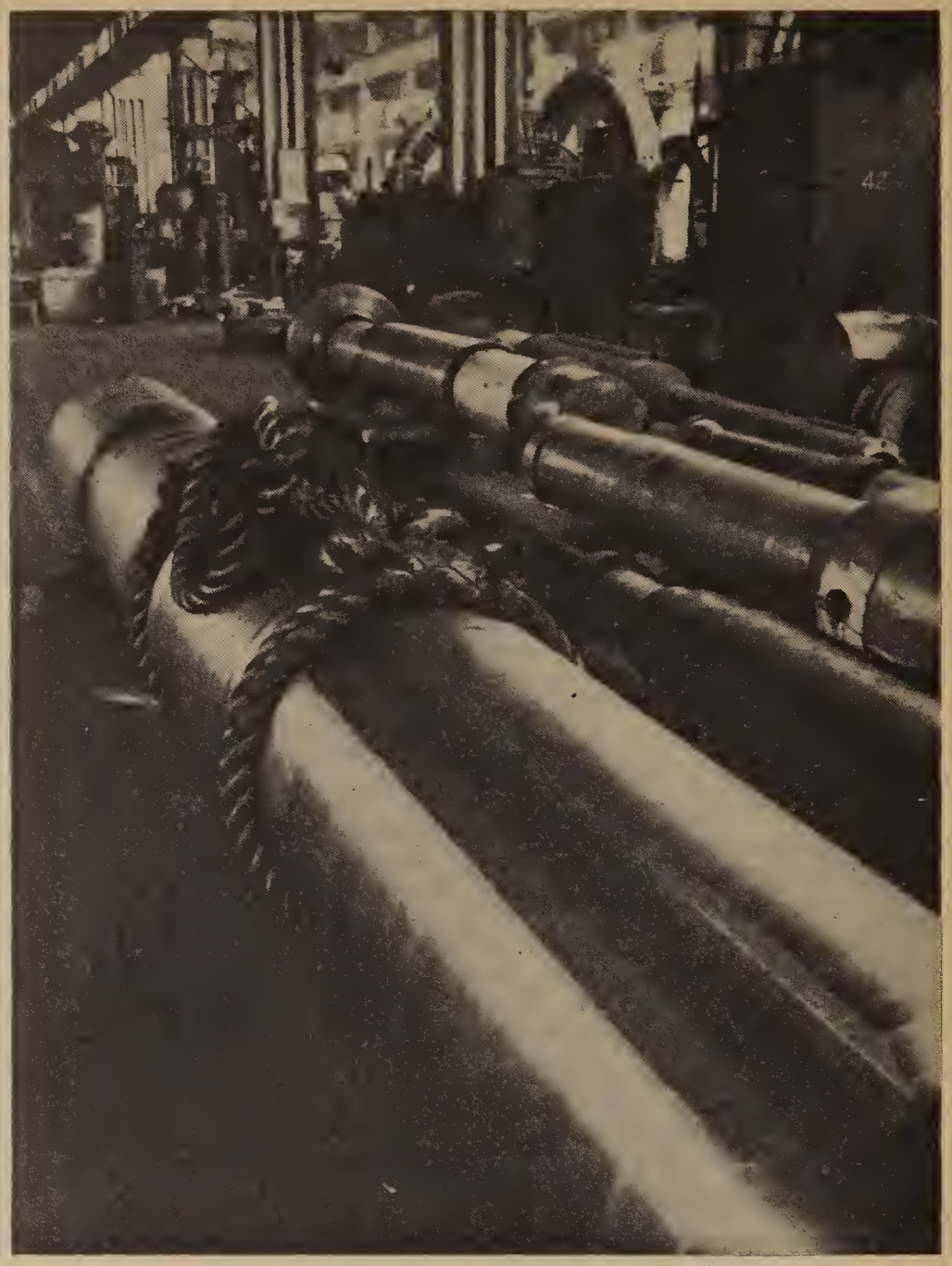
A Switch That Almost Thinks

TO duplicate the possibilities of a new type of time switch, a man would need an almanac, a knowledge of latitude and longitude, a precise watch, a degree of punctuality far above the average, and the ability to be awake and alert at all hours.

The switch, a G-E product, will turn lights on and off at dusk and at dawn, or at any predetermined time before or after sunrise and sunset; and will make due allowances for geographical latitude and for the season of the year. It can be made to take holidays, omitting its operations on any desired days of the week. It can perform such operations as starting motors in the morning, starting and stopping them throughout the day according to schedule and shutting them down at the end of the day. It will care for industrial heating problems, since by its use apparatus may be turned on early in the morning so as to be ready for the workmen when they arrive.

The new switch can do two things at once. In an apartment house, for instance, it can turn on the hall and fire lights at dusk, turn off the hall lights at midnight, and keep the fire lights on until dawn. In the home the switch replaces the "alarm clock" control that more than one ingenious jack-of-all-trades has contrived to turn on this or that before it is time to arise.

Not all the above duties can be performed by the one switch, but various designs are available for such different tasks.



The Cannon of Industry. An Unusual Photo Snapped in the Corner of a G-E Shop

Three features of the new time switch, designated G-E Type T-13, are the use of the G-E Telechron motor, as used in electric clocks, for timing the device; the employment of mercury-to-mercury Kon-nec-tor switches; and the availability of astronomic dials, corrected for latitude. It is designed for alternating-current circuits of 115 volts and 30 amperes or 230 volts and 15 amperes current-carrying capacity. It is available in single- or double-pole, both single- or double-throw, and with either a plain or an astronomic dial. Apartment-house lighting is cared for by still another model, the two-circuit form.

Two adjustable riders ("on" and "off") give two operations every 24 hours. Except in the cases of the astronomic and two-circuit types, additional riders may be installed to give practically any number of operations daily; and the addition of an omitting device permits one or more days to be skipped if desired.

Death Benefits Paid and Disability Claims Allowed Under Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.		Add'l Ins.
Erie Works						
7	July 7	Anthony A. Sandusky....	32			Yes
Bloomfield Works						
1	July 29	Louis DeVingo.....	51			Yes
Subsidiary Company						
7	July 16	Frank J. Lawlor.....	27			Yes
Disability Claims granted July, 1931.....					10	$14,500
Disability Claims previously granted, 1931			4	$3,500	39	58,500
Disability Claims, 7 Months, 1931.....			4	$3,500	49	$73,000
Total Death and Disability Claims since Jan. 1, 1920.....						$7,483,185.88

GIRLS' SECTION

Elex "Gypsy Party"

EVIDENTLY the weather man had decreed that Elex Club should hold their "Gypsy Party" indoors for he sent showers off and on all day Sept. 1, making the trees and grass so wet that it was impossible to hold the party at Pleasant View Cottage as had been planned, so the group congregated in Bldg. 16-2, as they deemed it unwise to postpone the party again.

The favors, a Gypsy headdress and sash for each girl, were given upon arriving; green if your birthday happened to be in the first quarter of the year, red for the second quarter, blue for the third, and yellow for the last quarter. These were adjusted and the supper march formed. After receiving a tray with a regular feast of corn on the cob, pigs in blankets, ripe tomatoes, pickles, coffee and watermelon the girls arranged themselves in groups according to the colors of their headdress, each group around a campfire where they sat on the floor and ate the food on their trays.

After the food had been disposed of, the fun began. Each group in turn put on a stunt for the entertainment of the others and a prize was offered for the best stunt.

Hilda Walda was queen of the Green Tribe and their stunt, which came first, represented a popular movie theater with Irene Meyers as the ticket seller and depicted the different types of people entering the show including a "purse snatcher" that called for the service of a cop.



Agnes Gebhart, Fletta Lontz, Ruth Barnes, Mildred Harber, and Violet Brower, all of Bldg. 17-2, spent a recent weekend at Lake James.

The Red Tribe with Ruth Fuller as queen put on a slow-motion baseball game which was really very good.

The next group to perform was the Blue Tribe and they represented a group seated around a radio listening to "Clara, Lu and Em" cleverly carried out by Alice Dailey, Kathryn McKering and Ruby Marsh concealed behind a screen. Then a turn of the dial brought in a story by "Henry Burbig" read by Marie Blough, also concealed behind a screen. Hazel Newport was queen of the Blue Tribe.

The last group to perform was the Yellow Tribe, Helen Dammeyer, queen. Their stunt was a pantomime. Esther Moll read a pathetic story of the kidnapping by a band of gypsies of little Rosebud Schnitzelstauffer (Jo Magers) as she lay peacefully sleeping in her baby cart (a wheelbarrow) outside a large department store where her nurse (LaVera Vail) had left her for a few minutes while she shopped within. The fond parents, Mr. and Mrs. Gustave Schnitzelstauffer (Louise Lawson and Hilda Horstmeyer) spent their entire fortune in a vain attempt to find their darling baby, but it was only after old age had overtaken them and little Rosebud had grown to be a charming young woman and had lost her heart to a handsome Gypsy lad (Mona Fry) that the once happy family were united again and lived happily ever after.

The judges, Mr. and Mrs. E. A. Barnes, Mrs. Harry Hogan, Margaret Nash, Lois Miller and Hazel O'Brien, decided that this last stunt was the most entertaining act of the four and accordingly awarded the prize (a large box of kisses) to the Yellow Tribe.

After this there were games and dancing and two fortune tellers were kept busy extolling the mysteries of the future to the eager girls.

The Elex Executive Committee arranged the party with Hilda Puff in charge of the program.



Fletta Lontz, Violet Brower, Agnes Gebhart, Ruth Barnes

The next big event for Elex members will be the Annual Banquet and election of officers for the year 1931-32, which will be held in Bldg. 16-S2 on Sept. 29. This event will follow the Membership Drive which, according to plans made by the Executive Committee, was to start on Sept. 14 and continue for approximately 10 days.

Weddings

Hord-Landwehr

On Aug. 1 the marriage of Agnes Landwehr, daughter of Mr. and Mrs. H. Landwehr, of Denver, Colorado, and Oswald Hord, son of Mr. and Mrs. A. Hord, of London, Canada, occurred at St. Peter's Catholic Church with Rev. Msgr. Charles Thiele officiating.

The bride was attended by her cousin Miss Agnes Moorman, and Albert Moeder, of St. Henry, Ohio, was best man. Immediately after the ceremony the couple left for a two weeks' sojourn in Denver.

Mr. and Mrs. Hord are now at home on Robinwood Drive. Mrs. Hord is employed in the Frac. Hp. Motor Dept., Bldg. 17-2, and Mr. Hord is connected with the Lincoln National Life Insurance Co., here.

Bremer-Carrier

Mildred Carrier severed her connections with G.E. on July 29, and on Aug. 9 was united in marriage with Charles Bremer of Chicago, the wedding taking place in the Anthony Boulevard

Presbyterian Church with Rev. A. P. Bournes officiating.

While here Mrs. Bremer was employed in the Transformer Dept. Bldg. 26-1. She is the daughter of Mr. and Mrs. W. H. Carrier of 3324 Euclid Ave. Mr. Bremer's parents are Mr. and Mrs. William Bremer and live in the state of Missouri. Mr. and Mrs. Bremer took a wedding trip to Missouri, Colorado Springs and other points in the west. They are now at home at 3300 Wilson St., Chicago. Mr. Bremer is associated with the S. S. Kresge Dollar Store Co., in Chicago.

Boxell-Weaver

On Aug. 2, Mabel Weaver, of the Frac. Hp. Motor Dept., Bldg. 17-2, and Loren Boxell, of the Toolmaking Dept., Bldg. 26-5, were married. The ceremony was performed by Rev. D. E. Hively, at 8 o'clock, in the United Brethren Church at Zanesville. Mrs. D. E. Hively attended the bride and William Johnson served as best man. Mrs. William Johnson played the wedding march from Lohengrin as the party entered the church and "I Love You Truly," during the ceremony. A wedding dinner was served at the home of the bride's parents, Mr. and Mrs. S. H. Weaver, of Zanesville. Later Mr. and Mrs. Boxell left to spend a week at Snow Lake.

Enz-Rogers

The marriage of Theris Rogers, who for the past six years has been employed in the office of E. E. Miles, assistant production manager at Ft. Wayne Works, and Walter Enz, occurred at 12:30 p.m. on Aug. 26. Preceding the ceremony, which took place at the home of Mr. Enz, 2818 Gay St., Marguerite Howard, accompanied by Mrs. Elizabeth Bachelder, sang "When Song Is Sweet," by Saint-Saens and "O, Promise Me," by R. DeKoven. Mrs. Bachelder played "Canzona Amorosa," by Nevin and Mendelssohn's "Wedding March."

After the ceremony, a wedding dinner was served and later the young couple left on a wedding trip. Mr. and Mrs. Enz will reside at 27 Waldron St., West Lafayette, where Mr. Enz is assistant professor of organic chemistry at Purdue University.

Phillips-Schoppman

Lenora Schoppman became the bride of Forrest Phillips in a marriage ceremony performed by Rev. Fred Wambsganss in the parsonage of Emmaus Lutheran Church at 4:30 p.m. on Aug. 29. Ruth Wiehe and Albert Reiter attended the couple. Following the ceremony a wedding dinner was served to the members of the immediate families at the home of the bride's parents Mr. and Mrs. Bert Schoppman, 310 West Leith St. Later Mr. and Mrs. Phillips left on a wedding trip through southern Indiana and will proceed to Lexington, Ky., where they will reside. Mr. Phillips is assistant civil engineer in the Government Hospital there.

Mrs. Phillips has worked in the offices at the Broadway Plant for the past few years, her last position being in the Service Bureau in Bldg. 16-3. She was a member of the Elex Club and has served as president.

Buhler-Ulmer

On Aug. 31 the marriage of Hilda Ulmer and William F. Buhler took place at the Holy Cross Lutheran Church in Detroit. Mrs. Elwin Lyttle, a niece of the groom, and Arthur Ulmer, a brother of the bride, attended the couple. After the ceremony a wedding breakfast was served at the Palais de Or. Later Mr. and Mrs. Buhler left on a motor trip through the east, and on their return will be at home in their own residence on Greenfield Road, Detroit. Mrs. Buhler was employed here in the Meter Dept. offices, Bldg. 19-5.

Recent Deaths

George F. Kayser

GEORGE F. KAYSER, 62, a retired employee of our Fort Wayne Works died at his home on Van Buren St., Aug. 14 after an illness of nearly two years. Mr. Kayser became an employee of our Company on Sept. 23, 1892. He was a machinist by trade and for years operated the big planer in Bldg. 17-1. In June, 1929, the condition of Mr. Kayser's health made it necessary for him to give up his work and he was granted disability relief effective Nov. 18 of that year.



George F. Kayser

The funeral was held from St. John's Lutheran church on Monday afternoon, Aug. 17, with burial in St. John's cemetery.



Anna Hart Pease

Anna Hart Pease, a hand winder in the Fractional Horsepower Motor Division, Bldg. 4-3, died Aug. 1 from injuries received in an automobile accident. Mrs. Pease came to our Broadway Plant on April 10, 1928, taking work as a winder in the Fract. Hp. Motor Div., Bldg. 17-2. Later she worked in Bldg. 4-1, but was transferred to her final work in Bldg. 4-3 in Nov., 1929.

The funeral was held from the home on Aug. 4 with burial at Lynngrove, Ohio.

Velma Davis

Velma Davis, 21, employed in the Radio Transformer Dept., Bldg 26-2, died at the Methodist Hospital where she was a patient, on Aug. 26. Miss Davis had entered the Company's employ on June 7, 1929, but had to give up her service on account of illness on July 16, 1931. Her home was at Grover Hill, Ohio, where the body was taken for services and burial.

Orta Etter

Ora Etter, 51, employed as a shect metal worker under Foreman Bickel in Bldg. 20-2, died Sept. 3, at St. Joseph's Hospital. Mr. Etter had been in the General Electric's employ since Dec. 18, 1922, and last reported for work on Aug. 12. The funeral was held at the residence here on Sept. 6, with burial in Fairfield Center cemetery in Noble County.

Mrs. Irma Kirn

Mrs. Irma Kirn, 39, an inspector in the Fractional Horsepower Motor Division, Bldg. 4-4, died at the St. Joseph's Hospital, Sept. 3. Mrs. Kirn entered our Company's employ on Aug. 28, 1922, but her final illness caused her to give up her work here on July 24. The funeral was from the home, 832 Walnut St.



J. W. Crise



Harry Haberkorn



Philip Weick

Crise, Haberkorn and Weick Join Quarter Century Club

DURING August, J W. Crise, Harry Haberkorn and Philip Weick completed 25 years of continuous service with the Company and on application were elected to membership in the G-E Quarter Century Club.

Philip Weick

It is an interesting coincidence that Mr. Weick and Mr. Haberkorn started here on the same day, Aug. 6, 1906, and on the same job side by side in the Meter Dept. and both still are employed in this same division of Fort Wayne Works. Mr. Weick after assembling meter registers for a time then worked on the assembly of the complete meter units. His next job was on what was known as "phasing meters" which involved the adjustment of auxiliary potential circuits in older types of meters so that the meters would function accurately on both high and low frequencies, 133 and 60 cycles. From this job he was transferred to what was known as "finishing meters" which involved the installing of the registers and generally touching up here and there on adjustments, freeing the meters of dust and getting them ready for test. An inspection assignment was next in Mr. Weick's line of experience in the Meter Dept., but work soon became slack and he was transferred to the Plant wiring force under F. G. Duryee and he thus assisted in the wiring of Bldg. 17. When work picked up again in the Meter Dept. Mr. Weick was taken back on the meter inspection job and since then he has been employed on this line of work. In his present assignment in Bldg. 19-4 he checks over the items on repair parts orders, a job for which he is well fitted from his years of familiarity with the various products of the Meter Division.

Just a few years after he joined our organization Mr. Weick became a member of our Works Volunteer Fire Dept. and for some years has been captain of Hose Company No. 4.

Harry Haberkorn

Mr. Haberkorn not only started on the assembling of watthour meters but continued on this job until demand meter manufacture was established here in 1913. He then was assigned to the assembly of these new devices and learned the construction of them, as we might say, from the ground up. After a few years on demand meter assembly Mr. Haberkorn became assistant to the foreman. Some six or seven years ago Mr. Haberkorn was made foreman of the Demand Meter Assembly Department, the position he now holds. Incidentally, Demand Meter Assembly now is one of the busiest places in our Fort Wayne Works and if business in general were as humming as it now is around Mr. Haberkorn's desk there would be no anxious moments as to where the money is coming from for next month's rent and the winter supply of coal.

Work Safely and Have No Regrets

J. W. Crise

Mr. Crise, Works Accountant, who completed his 25 years of service on August 2, also started work in the Meter Assembly Dept. From the Meter Assembly he was transferred to Meter Test, but in October of his first year he left the factory organization to take a position in the Auditing Dept. under L. S. Nold. During the next 10 years he held various accounting assignments and in this way became familiar with practically all of the Auditing Dept.'s work. When on Jan. 1, 1916, the commercial organizations of the Fort Wayne Electric Works were merged with those of General Electric, Mr. Crise was assigned to the job of closing out all the old Fort Wayne Electric Works accounts. About the time this assignment was finished Mr. Evans, who was then head of the Accounting Dept., was made Production Manager and Mr. Crise on July 1, 1918, succeeded him as head of the Accounting Dept. the position he still holds. Incidentally, Mr. Crise was one of two local men to receive a Charles A. Coffin Foundation, Award in 1924, the first year in which such awards were made. His accomplishment was the development of a much improved plan of keeping the material accounts so that information of prime importance was instantly available.

The Squirrel's Arithmetic

High in the branch of a walnut tree
A bright-eyed squirrel sat.
What was he thinking so earnestly,
And what was he looking at?

The forest was green around him,
And the sky all over his head;
His nest was in a hollow limb,
And his children snug in bed.

He was doing a problem o'er and o'er,
Busily thinking was he;
How many nuts for his winter's store
Could he hide in the hollow tree?

He sat so still on the swaying bough
You might have thought him asleep.
Oh, no; he was trying to reckon now
The nuts the babies could eat.

Then suddenly he frisked about,
And down the tree he ran.
"The best way to do, without a doubt,
Is to gather all that I can."

—Nature in verse, M.I.L.

JUNIORS' PAGE

DEAR G-E JUNIORS:

Ding-Dong! Ding-Dong! The school bells are ringing again, so I know that all of you G-E Juniors have left your happy vacations behind, have gathered up your books and now are settled down to going to school again. Esther Fisher, Eleanor Schelper and Elmar Devaux all remarked in their last letters that they would be glad to start to school again. Well, you know vacations just have to end and most all of you had such good times that you can think of them



Ella Fay Ogg

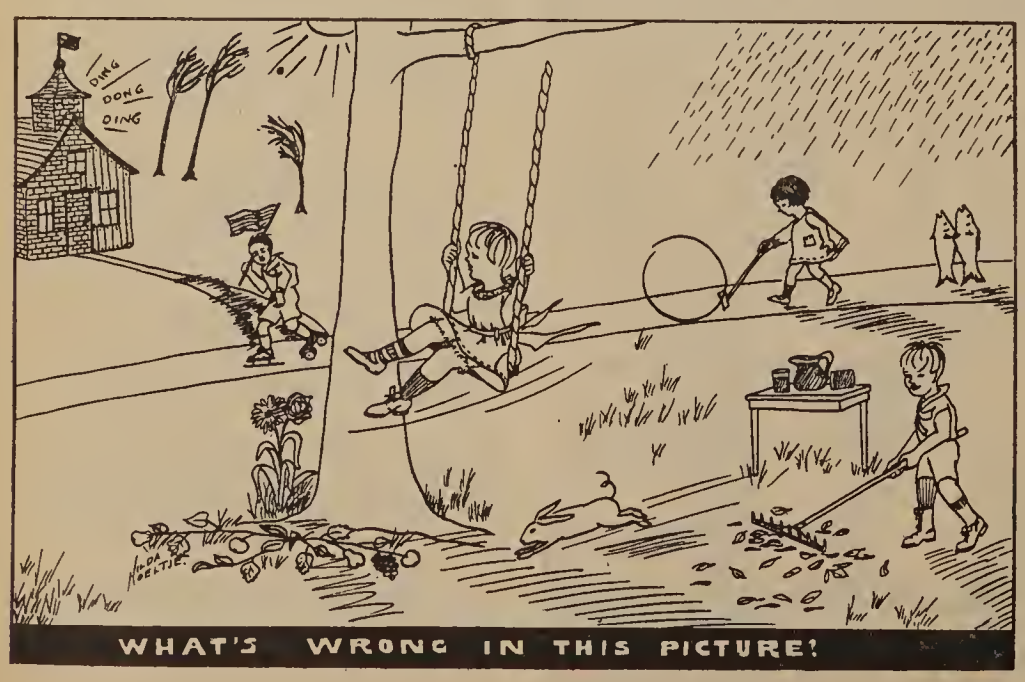
all winter long. Eugene Bahr hasn't had such a good time though this summer, for one Sunday during vacation a dog bit him and he had to be under the doctor's care for a time.

I was very much disappointed in receiving such a few answers to the rabbit puzzle in our August WORKS NEWS. I wondered if you were so busy with your vacations that you just forgot to work the puzzle or



Dickie Ogg

whether you just couldn't find the rabbit. He was right there in the flowers almost behind the little boy, Jimmy. The only letters I received were from Eleanor Schelper, Charles Gardt, Elmar Devaux, Margaret Everding, Eugene Bahr and Louis Webster of Fort Wayne and Johnnie G. Waltke, Esther L. Fisher and Ella Fay Ogg of Decatur. Johnnie G. Waltke sent me some lovely pansies which he had picked from his flower garden and pressed between folds of tissue paper. They were very pretty





Max Ogg

when they came and I liked them very much. Ella Fay Ogg, one of our Decatur Juniors, sent me the cute pictures of herself and her little brothers, Max and Dickie, for our Juniors' Page. The prizes for August were mailed to Eleanor Schelper, Charles Gardt, Louis Webster and Ella Fay Ogg.

The answers to the puzzle in the July WORKS NEWS which came from Norman Stoller, Geraldine Fabian, Estella and Celeste Schwartz arrived too late for us to mention them in the August WORKS NEWS. Those whose answers were correct, however, received credit on our cards so they will be counted in the contest for the especially nice prizes which we will award next May.

And now for this month's puzzle: it is a picture with a lot of things that are wrong, in fact the picture is just filled with peculiar things which would not be present in a picture well drawn. Some of the errors may be hard to discover, so if you find 15 things that are wrong in the picture we will count your answer correct. We have had puzzles like this one before so I am sure our Juniors will not find it so very hard to solve.

Although you are busy with your school, I hope you can find time to solve the puzzle and send your solutions to me. I'll be expecting just a lot of correct answers

so I'll be disappointed if all of our regular correspondents and some new ones do not write.

Yours sincerely,

Jill

Suggestion Awards

(*Continued from page VI*)

Frank P. Martin.....Winter St. $5
Installation of belt guard at pump on Duplex grinder 20560 in Bldg. 1-2, Winter St. Plant.

Ed. E. Shoup.....Winter St. 5
Improvement at spot and flash welding machine at Winter St. Plant.

Lester C. Patton.....Bldg. 19-3 5
Changes to brush yoke M-3568599 in Apparatus Division.

James Scarbaugh.....Bldg. 19-1 5
Changes in operations regarding the installation of oil gauges on certain bracelets in the Apparatus Division.

Ralph D. Shaffer.....Bldg. 20-1 10
Changes to parts on drawing T-3591301.

Frank M. Hall.....Winter St. 5
Installation of shields at welding benches in Winter St. Plant.

Cedric J. Reed.....Bldg. 26-1 5
Changes in operations to keep transformer leads clear of conveyor in Bldg. 26-1.

W. F. Fowler.....Bldg. 26-1 5
Providing a device for use in pouring Type M transformers.

Winter Street Plant Section



A. J. Seibt



C. V. Bobay



A. Kabisch

Refrigeration Picnic

AS A fitting climax to our recent refrigeration sales campaign, an employees' picnic was held at the Elks Country Club, Aug. 29. Suitable games and contests were staged for all attending.

About 450 employees and their families were in attendance, and favored by ideal weather and the beautiful surroundings of the Elks Club, all truly had a good time.

Five indoor baseball games were played with C. W. Bell's team surviving all competition and carrying off the loving cup.

The boys and girls were well feted, starting with a treasure hike, followed by games arranged for all ages. The winners in the contests were as follows:

25-yard dash for girls 10 years and under—Marceal Passe.

25-yard dash for boys 10 years and under—W. Miller.

50-yard dash for girls 11 years and over—Isabella Screeton.

50-yard dash for boys 11 years and over—Leland Blessing.

Treasure hike—Fred Ellinger, Jr.

Peanut hunt—Wilbur Silvers.

Victor Boutwell won the fat man's race, while Brandt and Bowers were the best at horseshoes.

Winners in the events for ladies were:

Balloon kicking—Margaret Schott.

Potato contest—Mrs. Paul Schoenherr.

Balloon Bursting—Louise Przebindowski.

Last but not least was the bathing beauty contest; as usual this event caused considerable interest and the winners were selected by the amount of applause they received from the audience. Evelyn Hines was awarded first prize and crowned Queen of Refrigerania, Mildred Steerhoff was second and Helen Przebindowski, third.

As an appropriate close to the day's events a basket dinner was



GENERALS AND TEAM CAPTAINS IN REFRIGERATION DIVISION'S SALES CAMPAIGN

Standing: Robert Steck, George Rekers, William Miller, Carl Bobay, E. L. Locker, O. J. Mettler, Frank Metrailer, Chester Lichtenberg, Claude Gettys, A. L. Haycox, J. J. Rockhill, Warren Locker. *Sitting:* A. S. Johnson, William Brown, Max Holz, A. R. Kabish, C. Locke of H. E. Bogart Co., A. J. Seibt, Stewart Herring, William Franke, William Kelsey. Carl Borchert and William Muelcler were not present for this picture.

served. During this dinner A. J. Seibt, assistant superintendent of the Refrigeration Division, awarded the Bogart prizes to leaders in the recent employees electric refrigeration sales campaign in which a total of 302 G-E refrigerators were sold. A. R. Kabisch as captain of the leading team in the contest received the fishing rod and reel, his team having credit for the sales of 49 machines. Carl Bobay was presented the banjo type Telechron clock for his record of individually selling 26 electric refrigerators during the two weeks of the campaign.

The committee which had charge of the picnic is to be congratulated in the perfection of the arrangements and the members of the committee deserve much credit for the work they did in successfully staging the event. The members of the committee were: C. W. Bell and Leo Miller, transportation; Bob Meyers, baseball; A. S. Johnson, Dorothy Schaefer, Kathryn Johnson and L. Brown, refreshments; Mildred Atherton, Gertrude Brunskill, Louise Przebindowski and Clara Watson, children's events; William Miller, Wilbur Stocks, Ed Ehrman and Mrs. A. S. Johnson, ladies' games and contests; John Rockhill and Frank Metrailer, bathing beauty contest.

Athletics

City Softball League

G-E has gone through another successful season, taking the first half with straight wins and repeating in the upper bracket during the second round of games.

A play-off between G-E and International, bracket leaders in the second half, should result in a victory for the local team and another championship to add to their long list.

Inter-Department Softball League

The Apprentice team continues to lead the way in the upper bracket during the second half and unless an unexpected upset spills the dope they should emerge with the league pennant.

Final games were scheduled for Sept. 12, with a play-off series between upper and lower bracket winners, and round winners, to decide the league championship.

Apparatus, Apprentice and Squares were tied for first place at the end of the first round, but Apprentice defeated Apparatus, 6 to 4, and shut-out the Squares, 6 to 0 in the play-off. The Apprentice have scored shut-outs in their last three starts and seem headed for the championship title.

Inter-Department Baseball League

The Small Motor team went into the lead when General Service defeated Apparatus and the Squares beat Motor Vets in games played the week before the final scheduled contests. All of the eight teams of the circuit were matched in deciding contests so it was impossible to forecast a winner of the second half.

Apparatus, winner of the first round of play, was to play a three-game series with the second half leader to decide league championship.

City Industrial League

The G-E Club team took second half honors when they defeated Capehart in a play-off of the first place tie in the standings of the upper bracket of contenders and then won from Wayne Company representatives, leaders of the lower bracket entrants.

A three-game series between G-E and City Light team, first half winners, was scheduled for the first week of September and past performance dope indicated that our team should annex the championship title.

Manager William Glenn has built up a strong team, and while the going has been rough at times, he was able to come through when needed.

City Golf League

The G-E team won the championship title of the City Industrial-Commercial Golf League when they defeated International Harvester in a playoff match at the Elks course. The match was close and undecided until the final hole of an 18-hole contest, the G-E team finally scoring 352 to their opponents 355.

R. C. Hanna, of the G-E team turned in best score of 80, with B. Gildea, Harvester star getting an 82.

International took the second round title by winning all seven matches, defeating the G-E team in a scheduled match 185 to 186. The G-E team won the first round honors with a record of seven matches won and only two lost.

Individual scores of the G-E team in the championship match were; R. C. Hanna 80; Earl Lamboley 84; G. W. Cain 87; R. N. Kellogg 101.

Inter-Department Horseshoe League

John Blakely and H. Snyder are tied for first place in the Inter-department Horseshoe League with 10 wins out of 11 starts. Hartman and Pace are both in threatening positions and may upset the leaders in the remaining scheduled games.

League Standings

	W	L	P.C.
Blakely	10	1	.909
Snyder	10	1	.909
Hartman	9	2	.818
Pace	5	3	.725
Saylor	10	4	.714
Stute	7	3	.700
Hibler	6	6	.500
Faulks	4	4	.500
Lee	6	7	.462
Joseph	4	6	.400
Wedler	1	4	.200
Anderson	2	9	.182
Archer	2	11	.154
Wilson	0	5	.000
Haver	0	8	.000



Gecode Club Holds Hamburger Fry

Fifteen Gecode Club girls were in the merry crowd that went by their private machines to Berne, Ind., on Thursday evening, Aug. 20, for a hamburger fry held in the municipal park. After the delicious lunch featuring the hot hamburgers the girls engaged in a story-telling contest. The evening selected for this outing was that of a regular band concert at Berne so the girls remained to enjoy the program by the band and the gala time that always attends such popular outdoor concerts.

Weddings

Meyer-Lichtle

Margaret Lichtle employed in the Winding Dept. and Leonard Meyer, of the Black Armature Dept., were married Aug. 5, at St. Mary's Catholic Church, at Decatur. After a short wedding trip Mr. and Mrs. Meyer returned to the city and are now at home to their many friends at 802 North Third St.

Snyder-O'Shaughnessey

On Aug. 5, also, there occurred the marriage of Aloysius Snyder an employee of the Tool Room, Decatur Plant, and Miss Betty O'Shaughnnessey, the wedding taking place at St. Rose's Church, at Monroeville, Ind. After a short trip Mr. and Mrs. Snyder came to Decatur and now are at home at 405 West Adams St.

Some More Potawatomi Week-End Snaps



The "Mock" Wedding Party



At the end of the hunt for the "buried treasure"



On the trail



Standing: Mildred Davis, Marie Blough, Leone Stone and Ruth Bell. Sitting: Rosamond Krull, Helen Gnau, Ruby Kuhn, Lora Redding, Alma Olson, Lena Shull and Martha Mitten



Back row: Lora Redding, Ruth Bell, Leone Stone. Front row: Florence Case, Lena Shull, Rosamond Krull



Potawatomi Inn

Service Anniversaries for September

Fort Wayne Plants



Christian Kaiser



William Boseker

30 Years

Christian Kaiser - - - Sept. 1, 1901
William Boseker - - - Sept. 3, 1901

25 Years

J. T. Fredendall - - - Sept. 6, 1906
Oscar L. Weitzman - - Sept. 10, 1906
Fred Mennewisch - - - Sept. 25, 1906

20 Years

A. R. Hall - - - Sept. 1, 1911
M. W. Smith - - - Sept. 7, 1911
Herbert Wiegman - - - Sept. 22, 1911
Gustave Nahrwold - - - Sept. 29, 1911

15 Years

William W. Winner - - Sept. 6, 1916
J. Ralph Fishback - - - Sept. 6, 1916
Elton Swank - - - Sept. 6, 1916
C. J. Gase - - - Sept. 6, 1916
Fred W. Gerhard - - - Sept. 6, 1916
Adolph Sommers - - - Sept 8, 1916
Edwin R. Kaiser - - - Sept. 8, 1916
Henry Sorg - - - Sept. 11, 1916
Herbert Franke - - - Sept. 11, 1916
Wm. L. Gaskill - - - Sept. 13, 1916
Thomas Hildebrand - - Sept. 13, 1916
Edwin H. Lepper - - - Sept. 14, 1916
Argo R. Vegalues - - - Sept. 15, 1916
Ferman Pollard - - - Sept. 16, 1916
Martin Kimble - - - Sept. 18, 1916
Charles Fletter - - - Sept. 18, 1916
Ed. Glusenkamp - - - Sept. 19, 1916
Godfrey Erdman - - - Sept. 20, 1916
Elmer W. Koehlinger - - Sept. 21, 1916
Geo. Mosshammer - - - Sept. 28, 1916
Clarence J. Hueber - - - Sept. 28, 1916
T. Gotch - - - Sept. 29, 1916

10 Years

Edw. O. Bowser - - - Sept. 12, 1921
Martha E. Woodward - - Sept. 14, 1921
Theo. Seymour - - - Sept. 19, 1921
Frank Berg Quist - - - Sept. 24, 1921



The GE Works News

October 16, 1931

Service Anniversaries for October

Fort Wayne Plants



Clark Orr

FORTY YEARS

Clark Orr - - - - - - October 1, 1891

THIRTY YEARS

James J. Kline - - - - October 1, 1901

TWENTY-FIVE YEARS

Homer Roehm - - - - October 1, 1906
George Rieff - - - - - October 5, 1906
Louis Steup - - - - - October 29, 1906

TWENTY YEARS

J. A. Farrell - - - - - October 2, 1911
Kenneth Szinck - - - - October 5, 1911
John H. Smethers - - - October 9, 1911
George O. Kline - - - - October 27, 1911

FIFTEEN YEARS

Alvin C. Hartman - - - October 2, 1916
William L. O'Brien - - - October 3, 1916
William C. Buuck - - - October 3, 1916
Clarence C. Scheiman - - October 4, 1916
Albert G. Powell - - - October 9, 1916
Maurice Cox - - - - - October 11, 1916
Madarus Putt - - - - - October 16, 1916
Robert T. Reardon - - - October 16, 1916
C. Holocher - - - - - October 16, 1916
Henry J. Paulsen - - - - October 17, 1916
Royal C. Roeger - - - - October 20, 1916
Arthur Smith - - - - - October 22, 1916
Roe Ormiston - - - - - October 23, 1916
Carl Dietche - - - - - October 24, 1916
Nick Giant - - - - - October 25, 1916
Guy E. Oberlin - - - - October 25, 1916
Fred W. Buesking - - - October 25, 1916
Stephen Kinerk - - - - October 26, 1916
George R. McAfee - - - October 27, 1916
Albert R. Spencer - - - October 27, 1916
Fred Bresler - - - - - October 30, 1916

TEN YEARS

Orton H. Anderson - - - October 2, 1921
Art Witzegreuter - - - - October 3, 1921
Clara Adams - - - - - October 18, 1921
Dorothy C. Curry - - - October 26, 1921

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

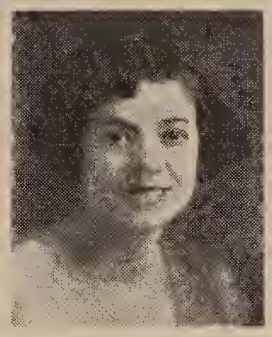
Vol. 15 | October 16, 1931 | No. 10



F. G. Duryee,
President



G. R. Lindemuth,
First Vice President



Marie Blough,
Second Vice President



Esther Moll,
Secretary



E. J. Graham,
Director



Henry Dannecker,
Treasurer

G-E Club Elects New Officers

THE annual election of officers and directors for the G-E Club held on Sept. 8 resulted in the following selections: F. G. Duryee, president; G. R. Lindemuth, first vice president; Marie Blough, second vice president; Esther Moll, secretary; E. J. Graham, director.

By appointment of Works Manager W. S. Goll, Henry Dannecker will continue as treasurer of the club during the ensuing year and J. H. Evans succeeds Mr. Barnes as the Company's representative on the Board. The other members of the Board are Irene Meyers and A. L. Foellinger, who will be serving their second and third years respectively of their three-year terms, and H. E. Hire, the out-going president, who by constitutional provision will serve as director as long as his immediate successor, Mr. Duryee, serves as president of the club.



J. H. Evans,
Director



A. L. Foellinger,
Director

The retiring officers are: H. E. Hire, who was president; F. L. Schafenacher, who was first vice president; Esther Moll, who was second vice president; and Alvin Konow, who was secretary. Walter Dreyer's term as director has expired as has that of C. M. Schnieders, who as former president served as director during Mr. Hire's two terms as president.



Irene Meyers
Director



Harry Hire,
Director

The new officers and directors took charge of the club's affairs on Oct. 1. The following committees appointed by the president will have charge of the various activities:

Executive Committees

Athletics: Ralph Perkins, chairman; Wade Reed, H. L. McAtee, Lela Ellenwood, G. R. Lindemuth, Ervin Huth, William Glenn, Art Kabisch.

Entertainment: L. E. Klingman, chairman; Neal Hench, Paul Grimme, Irene Meyers, Paul Dannecker, Kenneth Szink, Ruth Fuller, Warren Locker.

Boxing and Wrestling: S. C. Newlin, chairman; Nick Treiner, Frank Newport, George Waldschmidt, H. W. Stahlhut, John Beyers.

Bowling: Walter Dreyer, chairman; Frank Quinn, George Huber, Morris Cox, Irene Fox, and Wayne Cook.

Advisory Committees

Athletics Representatives	*Organization*	*Entertainment Representatives*
J. V. Johnson	Frac. Hp. Motor	Albert Gollmer
E. Schurenberg	Transformer	P. Vance
Clarence Hueber	Meter	Elmer Schoenlein
Claude Holmes	Apparatus and Switchgear	Ervin Steele
Paul Johnston	Refrigerator	J. Rochhill
Ervin Huth	General Service	Ed. O'Neill
Theodore Seymore	Tool	W. Konow
Earl Gebert	Wire and Insulation	Guy Oberlin
Ralph Perkins	Receiving and Shipping	Paul Merker
Clem Schnieders	General Office	E. J. Stroud
Mildred Bixler	Elex Club	Lois Miller
L. O'Brien	Foremen's Association	R. Dolan
Mearle Morkoetter	Fire Department	Art Nickerson
Perry Shober	G-E Band	J. L. Verweire
L. F. Hemphill	G-E Squares	J. W. Sanford
Paul Berghorn	Apprentice Alumni	John L. Lare

Publicity: M. F. Einsidel, chairman; X. J. Divens, Frank Goetz, Herschel Smith, Louise Hilger.

Motion Pictures: Elmer Zelt, chairman; Edward Witte, Alvin Konow, Hilda Puff, William Melching.

Advisory

Bowling: William Weidelman, Milton Bryan, N. O. Leedy, Helen Dammeyer, Herbert Franke, R. O. Orff, Ben Cline, Morris Cox, Fred Schafenacher, George Seabold, Dee Hamilton, C. J. Lallow, Anita Rump, Russ Harruff, Glen McAtee.

Club House Manager: Edward Harkenrider.

Club Steward: E. J. Sivits.

Deaths

Ralph L. Campbell

RALPH L. CAMPBELL, 50, an assembler in the Apparatus Division, Bldg. 19-1, died Sept. 17 at St. Joseph's Hospital following an operation. Mr. Campbell was engaged as an employee of the General Electric on May 11, 1916, and had been an assembler in the Apparatus Division ever since that time. The funeral was held from his late home on Florida Drive on the afternoon of Sept. 19 with burial in Lindenwood.

Clara Gilmore

Clara Gilmore, leading operator in Bldg. 4-1, a sister of Flora Gilmore of Bldg. 4-4, died Sept. 21 at the Methodist Hospital following an illness of several months. Clara had been in the employ of our Company here since Aug. 26, 1912, when she started as a winder in the Fractional Horsepower Motor Division. Although she worked under several different foremen in the years which followed, her whole experience was in fractional horsepower winding, an art in which she became highly skilled. The funeral was held from the Christian Church on Sept. 24, with burial in the I.O.O.F. cemetery at Monroeville.



Clara Gilmore

LaVera Vail

LaVera Vail, 26, employed in the office of H. A. Hartman, Bldg. 18-3, lost her life at Lake Gage, near Angola, on Sept. 19. She was drowned while trying to save one of her three girl companions, who, unable to swim, was forced with the others to take to the water when the boat in which the girls were out fishing sprang a leak and sank before it could be rowed to shore.



LaVera Vail

Miss Vail had been employed in the office of Mr. Hartman ever since her graduation from Fort Wayne Central high school in 1922. Although originally a stenographer, she had extended her usefulness in Mr. Hartman's office until she had developed her position into one of valuable secretarial assistance.

Possessed of unusual determination to acquire a high degree of excellence in everything attempted, Miss Vail acquired surprising speed and unusual accuracy in her stenographic work. Sensing the desire of others among her co-workers to learn the art of stenography, Miss Vail volunteered to teach this subject in the G-E night school and for several years she had conducted such classes. In social and athletic activities of the employees Miss Vail ever could be counted on to willingly and effectively take part. She frequently appeared on the dramatic and musical programs of Elex Club and also in the noon-hour entertainments for all employees which formerly were given in Bldg. 16-2. In girls' baseball and basketball she played for several years as a member of our girls' teams in the city Y.W.C.A. league. Through these many contacts, her G-E night school teaching, Elex Club, and girls' athletic activities, Miss Vail was widely known.

For final services and interment the body of Miss Vail was taken to her early childhood home at Lucas, Ohio; special services, however, were held at the undertaking parlors here on the evening of Sept. 21, where a host of her Fort Wayne friends gathered to pay their final respects.

File Your Present Address

IT IS very desirable that the up-to-date address of each employee be on file in the Employment Dept. and in the office of his foreman or department head. Without the correct address it is very troublesome, and oftentimes almost impossible to locate an employee by mail, telephone or even by messenger. So many instances have occurred recently in which it was found that addresses on file were not up-to-date that each employee is asked to fill in a blank as given herewith, clip it from the paper and hand it to his foreman or department head.

EMPLOYEES PRESENT ADDRESS

Name.....

Clock No.....

Street No.....

City.....

Phone No.....

After checking his record the foreman or department head will forward this blank to the Employment Dept.



Photo by C. E. Becker

The Group at the Quarter Century Club Outing

Quarter Century Club Holds Enjoyable Summer Outing

THERE were 119 in attendance at the Quarter Century Club's annual summer outing held this year at Sargent's Hotel, Lake Wawasee, on Sept. 12.

Paraphernalia for the games of horseshoe and darts was taken along and a number of individuals had their golf clubs and bathing suits with them so that immediately after arrival at the lake, games and sports were under way. Arrangements had been made for a launch to take club members for a ride around the lake and everyone there undoubtedly cashed in on his boat ride ticket some time during the day.

As there were no set contests in the games that were played there are, of course, no official records to show who was best. However, it was observed that Jerry Simpson was about the most skillful in playing the game of darts, F. J. Schwartzkopf a hard man to beat at cards, E. J. Graham and Otto Nahrwald particularly clever in wrapping the horseshoes around the stakes, while Bob Orff and Ray Hoffman will probably admit that they were the most expert at swatting the little rubber pill and getting it to land somewhere near the place it really was supposed to go.

And so the fun went on, everyone after his personal fancy spending the time chatting with old acquaintances, enjoying the games and having a thoroughly good time.

The noon-hour brought everyone together in the dining room of the hotel, where a wonderfully fine dinner was served. When the cigars had been lighted, Mr. Barnes, our former general superintendent, was pressed into service as toastmaster and called on the following members for short talks: W. S. Goll, J. H. Evans, P. C. Morganthaler and M. S. Willson. Mr. Goll spoke of the present business conditions and their effect on our local Works; Mr. Morganthaler confined his remarks to the refrigerator business and new developments in that field; Mr. Evans in a more general talk referred to other Company matters of current interest to the club members and Mr. Willson, who for several years has been retired, emphasized the great value of our Company's pension system to employees when advanced age requires one to give up his work. He expressed also his pleasure in being able to attend the outings and meetings of the club as they afford to those retired from active service a much appreciated opportunity to again meet with former associates in the offices and shops.

The afternoon was well advanced before the parties began to break up and the members sought out their cars for the return trip to Fort Wayne.

All expressed their pleasure in attending such an enjoyable outing.



Photo by C. E. Becker

Sargent's Hotel, the Scene of the Quarter Century Club Outing

Four Receive Large Awards

FOUR employees of Fort Wayne Works received awards of $50 or more since our last published report. Two of such awards were additional to awards of $50 or more formerly paid on such suggestions.



H. E. Hawthorn



Ervin C. Huth

H. E. Hawthorn, a maintenance man working in Bldg. 20-1, received the largest award paid during this period, Aug. 31 to Sept. 26 inclusive, covered by this report. His suggestion was that a rubber lining be used on sandblast equipment to reduce the cost of up-keep resulting from the rapidly wearing away of metal parts exposed to the stream of sharp sandblasting sand. The rubber lining proved remarkably effective and Mr. Hawthorn received $60 as an award.

Ervin C. Huth, Bldg. 20-1, also made a valuable suggestion relating to sandblast equipment. The rubber gloves with the long gauntlets of other material which are built in as a part of certain sandblast equipment were expensive to replace. He suggested that only the rubber glove proper be replaced as that generally was the only part which in service became badly worn. The idea was adopted and Mr. Huth is the recipient of a $50 award.

Charles Druce, Bldg. 26-B, offered a suggestion that special hooks be used to permit the dipping of certain transformer case covers. His suggestion was adopted and in April, 1930, he was granted a $5 award. A month or two later it became evident that Mr. Druce's suggestion was more valuable than at first appreciated and he was presented a $50 additional award. On a further review of his suggestion recently it was determined that he had not been fully compensated for the value of his suggestion in the awards that had been paid, so the Committee on Suggestions have granted him another $50 additional award.

Ed David of Bldg. 6-2 received an original award of $50 on an idea he suggested of a way of salvaging certain corrugated paper packing boxes in which motors and other products had been packed. On a recent review of this suggestion Mr. David, also, has been granted a $50 additional award.

The other awards made during this period are as follows:

Merle Morkoetter....Bldg. 26-B $20
Use of punch and die for forming nameplate holes in certain transformer cases. (This award is additional to a previous award of $50.)

Carl J. Furge.....Bldg. 20-1 5
Providing transformer for Bldg. 23.

Wm. Messerschmidt..Winter St. 7.50
Providing depth gauges for checking evaporator lugs on DR-3's.

Andrew R. Connet.....Bldg. 21 10
Changes to testing equipment for DP-3 and DR-3 units.

Sam T. Buckley and Ralph Gilbert.....Bldg. 17-1 5
Providing troughs under certain water pipes in Bldg. 17-1.

Jasper J. Davis.....Bldg. 20-1 5
Changes to pulley and weight on tunnel door in 26-B.

Norval Bubp.....Bldg. 26-1 5
Use of gummed paper in winding certain transformer coils in Bldg. 26-1.

Alfred Lepper.....Winter St. 5
Changes to locating pins on milling fixture at Winter St. Plant.

Charles H. Waltemath.....
.....Winter St. 5
Providing additional platforms for D-40 and -50 at assembly line at Winter St. Plant.

Aubrey J. Lash.....Winter St. 5
Providing additional testing equipment, Winter St. Plant.

William Wright.....Bldg. 21 5
Providing additional equipment at test at Winter St. Plant.

Melvin Walchle.....Winter St. 5
Installation of brake at turret lathe at Winter St. Plant.

Harry D. Bradon.....Bldg. 12-2 5
Installation of guard at oil test at Winter St. Plant.

Elmer F. Abbott.....Winter St. $ 5
Improvement to grinder at Winter St. Plant.

Wm. F. Wedler.....Winter St. 5
Rearrangement of fire blanket at Winter St. Plant.

Edgar P. Ort.....Bldg. 4-4 5
Changes to pattern 3560686.



Charles Druce



Ed. David

Herbert V. Campbell, Winter St. 5
Improvement to hose at naphtha tanks, Winter St. Plant.

Albert B. Ray.....Bldg. 4-5 5
Improvement to tables at test in Bldg. 4-5.

R. Hatfield.....Bldg. 20-1 5
Rearranging fuse box in Bldg. 6-B.

Arthur L. Bear.....Bldg. 4-2 5
Providing special platforms for transporting dies in Frac. Hp. Motor Division.

Arthur W. Mowery...Bldg. 20-2 5
Improvement to meter cart.

Wilbur H. Morehous..Bldg. 20-1 5
Improvements at blower in southeast corner of Bldg. 2-1.

J. W. Haffner.....Bldg. 4-5 5
Providing racks for stocking fields in Bldg. 4-5.

Florence Eva Whiteaker.....
.....Bldg. 26-2 5
Improvement to brazing equipment in Bldg. 26-2.

Lemon Clouse.....Bldg. 4-2 7.50
Changes to operations on balancing certain armatures in Bldg. 4-3. (This award is additional to previous award of $5).

Park E. Schemehorn..Bldg. 26-2 15
Use of solenoid operated paper flippers for certain winding machines in Transf. Div.

Harold B. Koogle.....Bldg. 4-5 5
Providing shelving for rabbet plates at grinder, Bldg. 4-5.

Ralph V. Rockhill....Winter St. 5
Changes in the method of finishing certain capacitors used with refrigerator units.

Safara Shanebeck....Winter St. 5
Providing dip tank in Screw Machine Section at Winter St. Plant.

William H. Irwin.....Bldg. 4-2 $15
Providing fixture for grinding certain push collars in the Frac. Hp. Motor Div.

Walter H. Schlaudroff.....Winter St. 5
Changes at the volumetric test at Winter St. Plant.

J. J. Lavis.....Bldg. 20-1 5
Improvement to doors in Bldg. 20-1.

H. A. Norman.....Winter St. 15
Improvement to checking gauge for crank shafts.

Wm. Messerschmidt..Winter St. 10
Providing gauging fixture for measuring tubing at Winter St. Plant.

Geo. I. Fields.....Bldg. 19-3 5
Changes to bearing bracket to eliminate unnecessary chipping.

Paul Taylor.....Bldg. 26-1 10
Changes in routine pertaining to repairing certain transformer rejections.

Cecil Young.....Bldg. 26-3 5
Improvement to trays for punchings.

Dane B. Walden.....Winter St. 10
Changes in the method of salvaging certain parts in the Dismantling Section at Winter St. Plant.

J. M. Singleton.....Bldg. 20-1 5
Improvement at oven in Bldg. 4-4.

Arthur Mossburg.....Bldg. 4-3 5
Providing shield at air hose in Bldg. 4-3.

Eula Belle Seiter.....Bldg. 26-1 10
Changes to tension device.

Ralph W. Hare.....Bldg. 4-4 5
Installation of guard at machine 17216 in Bldg. 4-4.

Catherine Weller.....Bldg. 26-1 5
Installation of conveyor for certain assembly operations in Bldg. 26-1.

Elmer Girardot.....Winter St. 5
Improvement to racks in running storage and 100 deg. test at Winter St. Plant.

Frank M. Hall.....Winter St. 5
Providing racks for rotors in the Dismantling Section at Winter St. Plant.

Kenneth P. Carr.....Winter St. 5
Separating certain testing and buffing operations in Dismantling Section at Winter St. Plant.

Gilbert Harvey.....Winter St. 5
Improvement at SO-2 charging stands.

W. David Gatton.....Bldg. 18-B 5
Installation of signalling device for Blueprint Dept.

Ivan C. Webster.....Winter St. 7.50
Improved method of applying flux on metal glass leads.

Walter Schelper.....Winter St. 5
Improved method of burring crankpin bearing holes in pistons.

Eldon W. Bailey.....Bldg. 27 $5
Providing pavement near Bldg. 25.

Claude F. Daniels....Bldg. 20-1 10
Improvement to welders in Bldg. 27.

H. E. Hawthorn.....Bldg. 20-1 12.50
Heat treatment for blast nozzles.

Karl M. Feiertag.....Bldg. 4-6 7.50
Changes to form FW-763.

Elmer Gordon.....Winter St. 5
Providing hand reel for cloth.

Roy Mentzer.....Winter St. 5
Improvement in lead soldering operation.

R. C. Hageman.....Bldg. 19-3 10
Transferring the making of certain F.S. brush-holder parts to the Meter Div.

Ervin W. Steele.....Bldg. 19-3 5
Substitution of stock washers for V-414757.

Merle Morkoetter....Bldg. 26-5 10
Rearrange punch press in Bldg. 26-B. (This award is additional to a previous award of $5.)

Paul F. Noffze.....Bldg. 26-B 5
Providing sliding gauge for die 3504494.

Herman Carl Brandt..Winter St. 5
Changes to nameplate stamping fixture.

Claude Holmes.....Bldg. 19-3 5
Changes to certain pole pieces used in the Apparatus Div.

Russell F. Runkle....Bldg. 4-2 5
Improvement at spray booth in Bldg. 4-2.

Golda Mentzer.....Bldg. 26-3 10
Improvements to hand stripper.

Lloyd Garrison.....Bldg. 4-4 5
Improvements to coil former used in the Field Section, Bldg. 4-4.

Forest E. Grim.....Bldg. 26-1 5
Changes in pouring operation on certain transformers in Bldg. 26-1.

Gilbert B. Harvey....Winter St. 5
Providing special vise jaws for certain soldering operations at Winter St. Plant.

Robert Renier.....Winter St. 5
Improvement to air press 6592 at Winter St. Plant.

Alfred Lepper.....Winter St. 5
Improvement to wash tank used in Refrigeration Div.

Transformer Division Holds Outing

FIFTY-SEVEN foremen, leading operators, engineers and members of the manufacturing and production office force of the Transformer Division assembled at Mercelina hotel and park, Celina, Ohio, on Sept. 19 and 20 for their second annual "stag" outing. As usual the police force, "Popeye" Banks, "Bunzo" Harruff and "Castor" Mentzer, were late in arriving and for their consideration and thoughtfulness in giving everybody an opportunity to have a few hours to themselves they were awarded a complete set of equipment for use next year. Rumors to the effect that "Gargileo" Gargett had confiscated funds from the treasury culminated in his trial before Judge Staehle in the Kangaroo Court, Saturday evening. Charley Price's evidence apparently convinced the jury of Gargileo's guilt in spite of Cy Stonehill's eloquent plea for the defense and Gargileo was duly sentenced to penal servitude for the evening.

Art Wasson held the winning number in a raffle of a "bag of gold" which was made up of money obtained by selling special chances on it to secure funds for additional expenses.

The special rates on the golf course and five "blind" prizes drew the majority of the gang to the golf course. Harold Pritchard and Oscar Burtzner won the prizes for high score on the first hole in their first games of cow pasture pool. The former made an 18 Saturday and the latter did a little better with a 16 on Sunday. Lauren Soderholm captured the prize for low on the par 4 third hole Sunday with a 5. Al Tharp and Maurice Cox duplicated his score on Sunday, but Maurice won the prize on the flip of a coin. Maurice and Al also tied for the prize for the nearest score to a blind number (77) for any 18 holes played in a handicap tournament. This prize was split between them.

Each one at the outing was given a number, and the balance left after all expenses were paid was split among the four holding the lucky numbers which were drawn immediately after Sunday dinner when the other prizes were awarded. The lucky holders were Frank Bryan, Ed Yahne, Charles Penn and "Chuck" Kronmiller.

Do You Own a G-E Refrigerator?



Fred Trautman
Broadway Plant



Clarence Hueber
Broadway Plant



Clyde Boyce
Broadway Plant



Dee Hamilton
Broadway Plant



Clyde Beery
Decatur Plant

Firemen-Band Picnic Was a Great Success

THE annual Firemen-Band picnic at Pleasant View Cottage was favored with a cool, though fairly bright day and there was little if anything wanting to contribute to the pleasure of the event. There were 110 in attendance and everyone had a good time. One feature, of course, was the big dinner served at 1:00 p.m. Fried spring chicken was the offering and never was there a dinner more thoroughly enjoyed.

On the schedule of outdoor activities F. G. Duryee and C. R. Olson proved the champions in horseshoe pitching. The baseball games commanded the interest of everyone in the crowd. The Winter Street Firemen beat the Firemen from Decatur by the score of 4 to 1. The Broadway Plant Firemen took the honors from the Band by the score of 8 to 0, and in the final game against the winners of the Winter Street-Decatur game, took the game from Winter Street by the score of 7 to 3.

The only ceremony of the occasion was the presentation by General Superintendent C. H. Matson of 10-year gold service buttons to the following firemen: Clyde Boyce, Clarence Hueber, Dee Hamilton, and Fred Trautman of the Broadway Plant and Charles Baxter, Clyde Beery and Leo Ullman of Decatur. In all there are now 25 firemen on the active list who are privileged to wear the mark of 10 or more years of continuous service as members of the Works Fire Dept. The list is as follows:

Broadway Works

	Joined Fire Dept.
F. G. Duryee	July 1, 1901
W. F. Melching	Sept. 1, 1903
James Sivits	Jan. 1, 1905
Charlie Alters	Sept. 9, 1908
Sam Shives	Sept. 9, 1908
Paul Grimme	April 28, 1909
Harry Zimmerman	May 26, 1910
Phil Weick	Aug. 9, 1910
C. H. Matson	Jan. 1, 1912
George Doehla	Aug. 12, 1912
Harry Barnes	June 12, 1915
Harry Hire	Aug. 11, 1915
Oscar Shady	Jan. 24, 1916
William J. Grover	May 29, 1917
Edward Miller	Nov. 6, 1917
A. R. Vegalues	Apr. 15, 1918
George Harkenrider	June 26, 1918
Fred Trautman	June 25, 1920
Clyde Boyce	Jan. 3, 1920
D. Hamilton	Jan. 2, 1921
Clarence Hueber	Feb. 24, 1921

Decatur Plant

Frank Braun	Sept. 12, 1916
Leo Ullman	Dec. 1, 1920
Clyde Beery	Dec. 1, 1921
Charles Baxter	Jan. 1, 1921

This annual picnic of the Firemen and the Band is always a full afternoon and evening affair, so a good supper was served before indoor games were introduced. Although the evening was cool, a fire in the furnace with which the cottage is provided made everything comfortable and it was late in the evening before the good time came to an end.

Those on the committee of arrangements were Harry Zimmerman, who furnished the cottage and served as chairman; Jim Sivits, F. G. Duryee, Ben Kline, George Welker, George Harkenrider, William Glenn, Paul Grimme, William Melching, and George Doehla.



Charles Baxter
Decatur Plant



Leo Ullman
Decatur Plant

G-E Squares

THE Squares are planning an active social season for this fall, the first event being an informal dance held at the Moose Hall on the evening of Oct. 2. Approximately 60 couples with a number of unattached men were present. The dance was heartily enjoyed by all as it was strictly "Southern style" meaning that the stags were permitted to cut-in at any time to claim a partner from any of the couples dancing on the floor. Credit for much of the success of the dance goes to the stags who kept things going in fine shape. J. W. Sanford, M. W. Byrne, J. W. Henderson, R. N. White and F. H. Fleischer were the committee in charge.

The regular semi-annual business meeting and election of officers was held on Oct. 13. Besides the selection of officers for the ensuing six months' period several constitutional amendments were considered and names of those proposed for honorary membership were to be voted upon. The newly elected officers took over the direction of the club's affairs immediately after the election.

A. F. Vinson as president, J. J. Butler as vice president and S. L. Moore as secretary-treasurer were the retiring officers.

The new officers are now making plans for the coming season and will announce them shortly.

At the Firemen-Band Picnic



The Winter St. Firemen's ball team



The Decatur Firemen's ball team

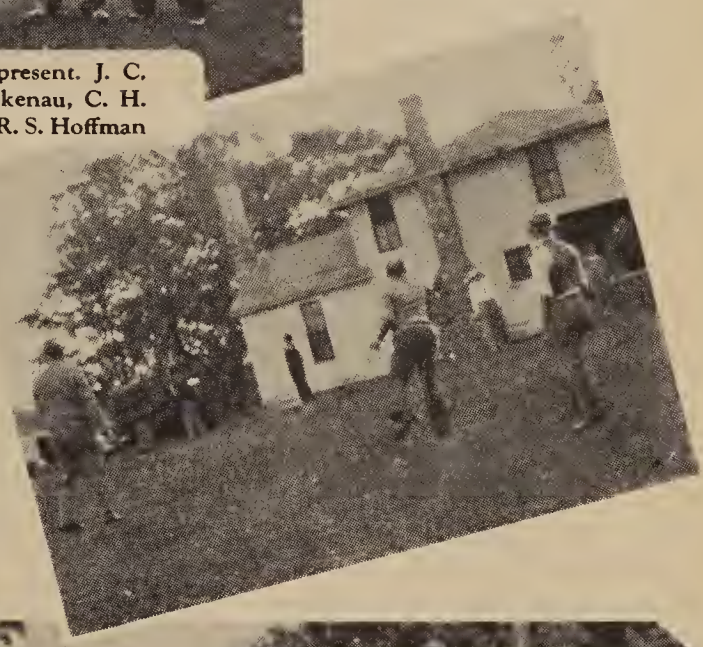


"Supers" who were present. J. C. Grossjean, E. W. Lankenau, C. H. Matson, H. Stahlhut, R. S. Hoffman

Below: The Broadway Firemen's ball team



Below: The cottage and some of the horseshoe pitchers





On the sidelines at the ball games

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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I. H. Freeman.....Foremen's Club
Harry Zimmerman.....Volunteer Firemen
John L. Verweire.....Band
J. E. Hall.....Quarter Century Club

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Accidents—Greatest Enemies Of Long Life

AS A destroyer of human life, accidents are excelled by only these three dread diseases, heart disease, tuberculosis and cancer. Therefore we may truthfully say that accidents are one of the greatest enemies of long life.

Death is the natural end of life but not its aim; therefore we must fight those things which threaten to destroy life before life's work has been done. To fight sickness and disease we must build up strong healthy bodies and have doctors, surgeons, nurses, hospitals, laboratories and laws of hygiene waging a continuous war against the ravages of disease. In a like manner, we must inject carefulness into our thoughts and actions "day in and day out," and have safety engineers, safety committees, safety guards, and safety rules fighting a continuous and relentless battle against our mutual and ever-present enemy *accidents*, if we wish to live a long active and useful life. When one has finally reached the end of the road, the consciousness of having piloted a useful body safely through to a ripe old age will certainly be a great consolation.

Record Crowd Attend G-E Club Entertainment

THE first G-E club entertainment for the season was attended by probably the largest number of people that ever turned out for one of these G-E Club free events. In fact it was impossible to accommodate all of the people who came for the first show. The program, too, proved unusually long so the second show was late in getting under way. In spite of this inconvenience the crowd waited patiently and for the second performance practically every seat in the house was filled. By conservative estimate at least 2600 people were present for these shows.

The program for the evening seemed to please everyone who was there. The entertainment committee had acquired some very delightful local entertainers in addition to the comedy and feature films. The WOWO Players of the week, with Bob Smith as radio announcer and Bill Roseberry, Dorothy Woehr, Charles Buckmaster, Ruth Hathaway, Jim Allen, John Blough, Margaret Lickens and Guy Lessel taking the dramatic parts, presented a radio drama as it is done in a regular broadcasting studio. Connie Beaver and Duke Baier presented several popular piano numbers and Edna Hodell sang. The Schweitzer Sisters offered several pleasing songs and Georgianna Jane Jones and Maxine Morton, juvenile performers, gave the audience an idea of what we shall see when television supersedes our preidentoras.



Fellow Members of the G-E Club:

By your vote in the annual election in September you expressed confidence in the officers you selected to carry on the splendid work of the former board. This, of course, can only be accomplished by wholehearted support of the club membership and I sincerely trust the newly elected officers and board members may have such support.

I, personally, appreciate the compliment you have paid me by election to this highest office in the G-E Club and I pledge my sincerest efforts to so direct the club's affairs that the greatest benefit may come to the club's members from the admirable facilities the club now possesses for physical recreation, athletic sports and the wholesome entertainment of club members, their families and friends.

F. G. DURYEE,
President G-E Club.

With especial thought to the entertainment of the children in the audience one of the ever amusing Mickey Mouse films was shown.

The entertainment committee are to be congratulated on the excellence of the program presented.

Absent Employees

Orton Anderson of the Meter Division is confined to his home by an injured ankle; William Schwalm of the Meter Division is at his home recovering from an operation, and Fred Briggeman, Eva Hilsemeier and Nina Gordon of the same Division are absent from work on account of illness.

Jacob Model, Lester Essig and Charles Hughes, all of the Refrigeration Division, are at their homes recovering from operations.

Willis Dowler and Theresa Thomas of the Transformer Division are convalescing at their homes from operations which they underwent recently, Bessie Chapman of the same Division is recovering from an injured ankle, while Frieda Brandyberry and George Clouse, Transformer, Division, are both absent from work because of illness.

Howard Smith of the Wire and Insulation Division, who underwent an operation, is still confined to his home.

Henry Schafer of the Fract. Hp. Motor Division is home sick, while Louis Pflueger of this Division is at home recovering from an operation.

Company Executives Present Plan to Prevent Further Layoffs for Lack of Work During Winter

Embodies a Division of Work and a Proposal to Increase Payments of Contributing Employees to Two Per Cent—Company Contributions to be Increased by Equal Amount—Further Company Contributions May be Requested if Necessary

IN AN endeavor to prevent further unemployment in the apparatus works of the General Electric Co., and to relieve, in part at least, the anxiety in the minds of G-E employees, regarding the prospects for the coming winter, a proposal signed by President Swope and Owen D. Young, chairman of the G-E Board, has been presented.

The text of the plan is as follows:

Due to the present business conditions, which have resulted in greatly reduced activity in our plants, we have been faced with many problems of employment. We have made every endeavor to arrange our working forces, by transfer and rotation of work, so that we could provide as much work as practicable for each employee on the payrolls, supplemented by benefits from the Unemployment Emergency Fund. In the ten months since the beginning of the unemployment emergency, approximately $1,000,000 has been distributed, one-half of which was contributed by the employees working half time or more by contributions of one per cent of their earnings, and an equal amount was contributed by the Company.

We are firmly of the belief that the electrical needs of 125,000,000 people in the United States, especially with the increasing demand in the home, will keep the electrical industry active. If the General Electric Company is to be in a position to secure a fair share of the available business, it is essential that our workers maintain the quality of our products, our engineers continue to make progress in the design of our apparatus, and the management supervise efficiently, introduce better methods and eliminate waste, and that we have the combined interest of all in the direction of reducing costs, so as to make our apparatus available to an ever increasing number of the public. We think the organization has done and is doing a satisfactory job, but this does not mean that it cannot continue to improve.

We realize the anxiety in the minds of our hourly and piecework employees in the apparatus works, which necessarily reduces their effectiveness and restricts their output, and to relieve this, at least in part, we offer for adoption by them the following program, which we confidently believe we can carry out:

To so divide the work that there will be no further layoffs for lack of work between Nov. 1, 1931 and April 30, 1932 without compensation, and that all those on the payroll at Nov. 1, 1931, will receive during this period not less than the equivalent of one-half of their average weekly earnings for full time, but in no case more than an average of $15 per week, unless actual earnings are more than an average of $15 per week, in which case they will receive their actual earnings.

This result will be reached by the following methods, in the order stated, or by a combination of them:

First, by work assigned, which may not be their regular work, but will be work we can offer, at the prevailing rates of pay applying for such work.

Second, in order to make the Unemployment Emergency Fund more nearly adequate to meet the situation for this winter, it is proposed that the present one per cent contribution on the part of employees be made two per cent, and the Company will contribute an equal amount. Then the employees may draw benefits from this enlarged Unemployment Emergency Fund, under the present provisions.

Third, the plan has been approved in principle by the Board of Directors and if these provisions are inadequate, the Board of Directors will be asked to authorize additional payments by the Company to the Unemployment Emergency Fund, without increasing employee contributions thereto.

The foregoing does not affect or waive the Company's right of retirement or discharge in individual cases.

This emergency proposal may be adopted by each apparatus works as a unit, by a majority vote of the participating employees under the G-E Employees' Unemployment Pension Plan.

OWEN D. YOUNG
GERARD SWOPE

An Interesting G-E Fan

AT THE Hotel Ramos in Hermosillo, there is a G-E electric fan that has a record of 25 years of continuous service and which is still in constant use. The fan has a very curious oscillating device, probably the first type manufactured. It is a socket joint affair with many levers and an outside gear train. The climate of Mexico is one that imposes heavy duty on fans, inasmuch as the temperature is about 100 degrees during the day and 90 degrees at night. This hot period continues for four months each year, and counting in one month before the hot spell and one month afterward when fans are needed, the average use of a fan in Mexico is nearly six months each year. Allowing about 10 hours every day for fan use, the average service of a fan is about 1800 hours per year. As this veteran fan has a service record of 25 years, it has been in operation 45,000 hours.

General Electric Inaugurates New Radio Program

The "G-E Circle" is Designed to be of Real Help to the Housewife Through its Week-day Programs and of Entertainment to the Entire Family in its Sunday Programs



Grace Ellis at the Microphone Conducting the "G-E Circle"

A NEW and different radio program, sponsored by Grace Ellis, a gracious new radio personality, was launched by the General Electric Company on Oct. 12, based upon the idea of bringing to American women a new appreciation of the advantages and conveniences which they enjoy through our American standard of living.

Emphasizing the importance of the contribution which the electrical industry has made to the convenience and comfort of modern life, the program also is designed to bring definite, practical help and inspiration for the woman who is working at the job of home-making.

The program is called the "G-E Circle" and is built around a definite club idea, with Grace Ellis as the director of the "G-E Circle." Women are learning to listen for the "G-E Circle." Thousands of letters already received attest the quick response which they have made to this helpful program.

Every week-day except Saturday, at noon, Eastern Standard Time, the "G-E Circle" goes on the air over the NBC coast-to-coast network of 54 stations.

And every Sunday evening, at the "twilight hour," Grace Ellis again assembles the "G-E Circle," for the benefit of the whole family. This Sunday evening meeting of the "G-E Circle" brings a new program of outstanding entertainment value—the great stars of the Metropolitan Opera, singing those simple melodies whose beauty and sentiment have made them dear to all of us. The Sunday program is going to bring the finest voices in the world singing the favorite songs of the world.

In building a new nation-wide radio program which strikes the note of service, of helpfulness, of forward-looking optimism, the General Electric Company is rendering a service to the country at large. This program is designed to build up the morale of the American home—a job which all the leaders in our national life consider of prime importance at the present time.

The home sets the tone of the family life. And it is the homemaker who sets the tone of the home. General Electric hopes, through the "G-E Circle" to give homemakers a new enthusiasm for their great profession.

To build a lovely home life, with all its necessary background of comfort and convenience, is a task that calls for labor, for love and thoughtfulness, for rare executive ability, for unflagging energy and ingenuity. It is a task frought with problems and perplexities. It is a task which is often far heavier than it need be. Yet we live in a fortunate age—with undreamed of facilities for bringing comfort, convenience, and leisure into our homes.

The General Electric Company has played a large part in freeing women from the drudgery of housekeeping through its researches in pure science and the manufacturing skill with which it has developed the practical application of its discoveries.

Today every home can have adequate electric lighting, irons, fans, cleaners, ranges, refrigerators, washers and ironers. These and scores of other electrical appliances are within the reach of every woman who would like to make her home a modern "house of magic." To teach women the advantages of our modern conveniences, and to renew their faith in our American way of living in a time when our faith has perhaps wavered a bit, is the great underlying purpose of the "G-E Circle."

General Electric Leases Large Space for World's Fair

THE largest exhibit space yet contracted for in any of the buildings at the Chicago World's Fair of 1933 has been leased by the General Electric Company.

An area of 9,000 square feet in the electrical building on Northerly Island at the exposition will be devoted to a comprehensive display of General Electric products. The exposition as a whole will celebrate the advance made by mankind in the past 100 years through the application of scientific discoveries to everyday life; many of these discoveries have been made in the General Electric Laboratories. Perfecting the light bulb over a period of 13 years, to a 500 per cent efficiency increase, and the scores of electrically-operated devices for household, farm, and theater will form the cornerstone of the G-E display. This presents an interesting contrast to the Company's display at Chicago in 1893, which featured lighting effects and large generating apparatus. Forty years ago, also, General Electric had the largest display space of any exhibitor in the electrical building, as was the case at the San Francisco and St. Louis expositions.

Now Is the Time to Buy— Your General Electric Refrigerator

General Electric Employees are Allowed an Additional Discount Besides Regular Employee Discount on Purchase of a General Electric for Their Own Use

ONCE again the General Electric Refrigeration Dept. will make it possible for employees of the General Electric Company to equip their homes with the leading refrigerator in the industry today, the General Electric. This year, contrary to the usual arrangement, the time limit for these purchases has been extended a month and the Employees' Campaign will open Nov. 1 and close Dec. 31. The extra month has been added so employees may avail themselves of this opportunity for the Christmas holidays. A General Electric is the greatest Christmas gift a man came make to his family.

General Electric Refrigerators purchased during the campaign can be obtained with the regular employee discount and an additional special 5 per cent discount, provided by a certificate printed on a succeeding page. This certificate may be used as the down payment. The purchase price may be divided into monthly installments and paid over a period of one or two years with a slight carrying charge.

Thus, employees who realize the necessity of thrift at this time are given the annual opportunity to possess the Electric Refrigerator which they have helped to make the leading product in the electric refrigeration industry in four short years.

When we consider that this refrigerator, which but a few years ago was a comparative "infant in swaddling clothes," now has reached the topmost sales pinnacle in the entire refrigeration industry and that now more than one million families have become users there is a real thrill and true pride in our accomplishment.

All of us have had a hand in making this greatest contribution to the electric refrigeration industry; we have seen the sales grow in leaps and bounds; we have witnessed the ever-increasing swinging of the pendulum of public preference to General Electric. We know its value, its economy, its dependability, the saving it makes possible each day, each month and each year.

So, during November and December, in the two months when distributors are best able to take care of the needs of General Electric employees there comes this annual opportunity to place in our homes our own product. Employees who already have purchased Monitor Top Refrigerators during previous Employees' Sales Campaigns know the benefits derived from this modern refrigerator, they know the savings made possible, they will gladly tell you what a boon a General Electric is—just to living.



Now is the time to purchase your refrigerator. The arrangements for making this purchase are simple. Here is how it is done:

1. Select the model you feel is adequate to meet your family needs at your nearest distributors' store, or from the illustrations shown on the succeeding page.

2. Clip to your regular employee order form the special 5 per cent discount coupon which appears on one of the pages in this issue

3. Secure a regular employee purchase order from the Employees' Store, Order Dept., or employee in your department who has charge of employee sales.

4. Present the purchase order and special discount certificate as directed by your Employees' Store, to your nearest distributor's store for immediate delivery. (This certificate takes care of the down payment.)

5. Now, enjoy the usefulness and convenience of your General Electric Refrigerator.

While the principal object of this campaign is to give every General Electric employee an opportunity to purchase a refrigerator at a low price and on convenient terms, it is easy to see that a large number of orders from employees will serve to promote prosperity more than a little.

Perhaps you feel that you cannot afford to buy a refrigerator "right now." For the benefit of those who are laboring under this misapprehension, we have prepared the following figures:

Using an SS-62 for an example, a 25 per cent discount amounts to $65 leaving a balance of $195 to pay, plus not more than $15 freight and other expenses incidental to shipment and installation. This makes a total of $210. Extending this amount over 24 months with a slight carrying charge brings the payment down to around $10 per month. Consult your Employees' Store for your prices.

Experts employed by the Home Economics Bureau of the United States Department of Commerce in a number of surveys set the minimum amount per month of food spoilage caused by inadequate refrigeration at five cents a meal, or a total of about $4.50 per month. The amount of ice used in old-fashioned refrigeration will approximate 10 cents per day, or about $3



NOW

Is the Time to Buy Your

GENERAL ELECTRIC REFRIGERATOR

Here Are Illustrated Several of the Most Popular All-Steel Models—Select Yours Today



MODEL SS-100

A spacious two-door all-steel model with 20 sq. ft. of shelf area. Makes 104 ice cubes. One rubber and three metal freezing trays. Two sliding shelves and chrome plated hardware. Exterior dimensions: 65 1/8 in. high overall with 11 1/8-in. legs; 44 1/16 in. wide; 23 9/16 in. deep (cabinet alone).



MODEL SS-82

The largest of General Electric single-door models. An all-steel refrigerator, with a food shelf area of 16 sq. ft. One rubber and three metal freezing trays make 104 ice cubes. Two sliding shelves. Exterior dimensions: 67 13/16 in. high overall, with 11 1/8-in. legs; 34 5/16 in. wide; 26 in. deep (cabinet alone). Chrome plated hardware.

MODEL SS-42

With a food shelf area of 8.1 sq. ft., this all-steel model occupies less than 3 1/2 sq. ft. of floor space. It has a rubber and a metal freezing tray providing 48 ice cubes. Exterior dimensions: 63 13/16 in. high overall with 11 1/8-in. legs; 24 1/16 in. wide; 21 5/32 in. deep (cabinet alone). Chrome plated hardware.

MODEL SS-62

This model, with a food shelf area of 11.6 sq. ft., is ideally suited for the needs of the small family. Makes 96 ice cubes, or 9 pounds of ice at a freezing. It has one rubber and three metal freezing trays, chrome plated hardware, two sliding shelves. Exterior dimensions: 28 13/16 in. wide; 22 3/16 in. deep (cabinet alone); 66 1/8 in. high overall, with 11 1/8-in. legs.



MODEL SS-140

An all-steel model of generous capacity, with a shelf area of 25.2 sq. ft. Chrome plated hardware. Two sliding shelves. One rubber and three metal freezing trays produce 104 large ice cubes. Exterior dimensions: 66 3/4 in. high overall, with 11 1/8-in. legs; 54 5/16 in. wide; 23 15/16 in. deep (cabinet alone).



General Electric Employees Receive

Regular Discount

Plus Additional 5% Discount

No Down Payment

Up to 2 Years to Pay

During November and December Only

per month. In this government survey there is shown a savings of approximately $4 per month in week-end buying of meats, fruits and vegetables in large quantities, as you are enabled to do with a General Electric Regrigerator. This makes a total of $11.50.

However, while you may waste less food and perhaps use less ice, and perhaps do not buy so much meat, fruit, and vegetables as indicated above, you could still save enough with your General Electric to practically take care of your monthly payments.

Beyond a question of a doubt it has been established that a General Electric Refrigerator will pay for itself over a two-year period. At the end of that time your General Electric will begin to pay dividends. Truly, it is a real investment.

It is an established fact that every member of the family in a home where old-fashioned refrigeration is used is constantly partaking of food which has been exposed to the ravages of bacteria. A superabundance of these germs, always present in improperly refrigerated food, causes illness as the result of their assimilation. Children succumb more easily than grown-ups. Food containing a high bacterial count saps the vitality, lowers resistance and, according to the most learned physicians in the world, becomes a potential spreader of disease.

Protect your family and your children from this danger, and at the same time lessen the work of the housewife. She will revel in the joy and pride of owning a General Electric and every member of your family will automatically become a member of that huge family circle of General Electric Refrigerator boosters.

Don't wait!

Clip the coupon NOW!

Have your refrigerator installed immediately. Then say to yourself, "Here's to my good health!"

Here's How Easy It Is

1. **At your distributor's store or from catalog, select size which suits your needs.**
2. **Fill in and detach Employees Additional Discount Certificate found below.**
3. **Secure regular employees' order from your Employees' Store or Order Dept.**
4. **Present both as instructed by your Employees' Store to your distributor for immediate delivery.**
5. **Certificate acts as down payment—up to 2 years to pay the balance.**

GENERAL ELECTRIC
REFRIGERATOR

EMPLOYEE'S ADDITIONAL DISCOUNT CERTIFICATE

for

NOVEMBER - 1931 - DECEMBER

This certificate when accompanied by regular employees' purchase order is good for an additional 5% (of F.O.B. price) discount on any General Electric refrigerator. This may be used only by a General Electric employee for a refrigerator to be installed in his own immediate home and is not transferable.

Purchaser's Name..... Address.....

Works..... Dept. .....

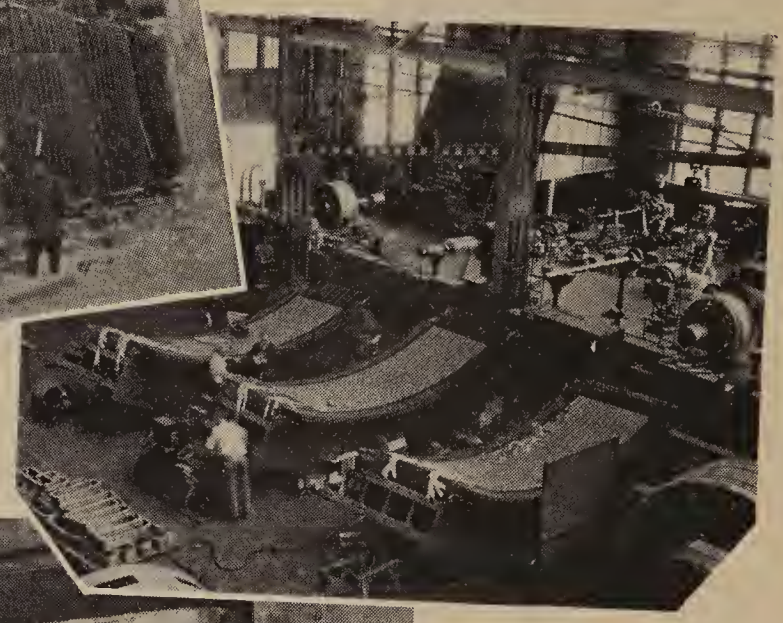
Distributor..... Model.....

This Certificate must accompany your Regular Purchase Order secured through your Employees' Store or Order Department

G-E Photos From Factory and Field



Here are three sections or half of a stator frame for a mammoth 77,500-kv-a. G-E hydro-electric generator. These sections are but a small part of the generator which will weigh 352,000 pounds when completed



A row of G-E transformers at Stalingrad, U.S.S.R. The workers standing on top of the transformers are women



In this large oven, heated by 21 G-E strip heaters, old mattresses are put through a baking process which thoroughly sterilizes them



Left: There is no knob on this drinking fountain in the G-E Schenectady Works. You simply bend your head into a beam of light and a photo-electric relay does the rest

Right: This girl, an employee of the G-E West Lynn Works, checking the uniformity of wire less than one-seventh of the thickness of a human hair.



Around the World with General Electric

Chile

A few years ago the city of Santiago made a complete change of its street lighting and introduced a modern G-E system for the entire city. The influence of that sweeping modernization spread to other localities and now Valparaiso has come into line as another Chilean city that has adopted the G-E system. Orders have been received from the local street-lighting company for some 1600 installations of ripple alabaster globes, together with constant current transformers, lamps, wire and accessories. The constant current transformers called for include eight 80-kw. and seven 50-kw. with 850 IL and 60 SL subway transformers.

Fairfield, Iowa

Parsons College at Fairfield, Iowa, has joined the ranks of schools that include night football on their sport schedule. The initial installation will be made up of 16 G-E twin lamp floodlighting projectors, and provisions will be made to accommodate additional projectors to increase the intensity 50 per cent some time in the future. The field will be used by the college and the local high school for their night sports.

Oregon

Another interesting order for floodlighting equipment for football fields was recently received from Williamette University at Salem, Oregon. This installation of G-E open type floodlights is the first to be made in the Northwest.

Denver

The new RKO Orpheum Theatre, now under construction in Denver, will enjoy the benefits of a G-E Thyratron-tube stage-lighting control board. This is the first board of its kind to be sold west of Chicago, so far as the G-E Denver Office can ascertain. Other G-E equipment in the installation includes two 25-kw. motor-generator sets with automatic starters and generator panels.

New Zealand

On farms in New Zealand, the four-gallon petrol can corresponds to the "old oaken bucket" which we hear so much about in song and story. Since the advent of gasoline distributed in bulk, however, the supply of four-gallon cans has so fallen off that New Zealand farmers are beginning to feel a need for pumps to furnish them with water. More orders from New Zealand for G-E ¼-horsepower motors for driving pumps have recently been received.

Lynn

Small wire, only one-seventh of the thickness of a hair and rolled into ribbon shape, is used for hair springs in electric meters and other delicate measuring devices. A new instrument, recently installed in the G-E West Lynn Works, accurately checks the uniformity of this wire by throwing a magnified illumination on a screen which an operator watches constantly.

Roanoke, Va.

What to do with old mattresses? In Roanoke, Va., there is a firm that makes a business of renovating old mattresses. The mattresses are placed in an oven heated by 21 G-E strip heaters and baked for an hour. This baking process thoroughly sterilizes the mattresses. After they have been baked, the mattresses are removed from the oven, recovered, and are ready to give more years of service to sleepy people.

Schenectady

You don't turn any knobs or press any levers when you want a drink of water from the new fountain installed in the main office building of the G-E Schenectady Works. All you do is bend over the fountain and your head intercepts a beam of light focussed on a photoelectric tube. A relay is thus actuated and the water begins to flow. When your head ceases to interrupt the light beam, the water is automatically turned off.

China

China has its Luna Park, too, and it is one of the largest and most up-to-date pleasure resorts in the Far East. A recent electrical installment, in the point of actual ground area covered, is one of the largest wiring jobs undertaken in Shanghai in recent years. It is also one of the largest illumination jobs that has ever been installed out-of-doors in the Far East. The G-E equipment called for in the installation includes more than 10,000 outlets for incandescent lamps, over 50,000 feet of insulated wire in various sizes, and some 15,000 electrical wiring devices, as well as motors for driving the various rides such as the "Caterpillar," etc.

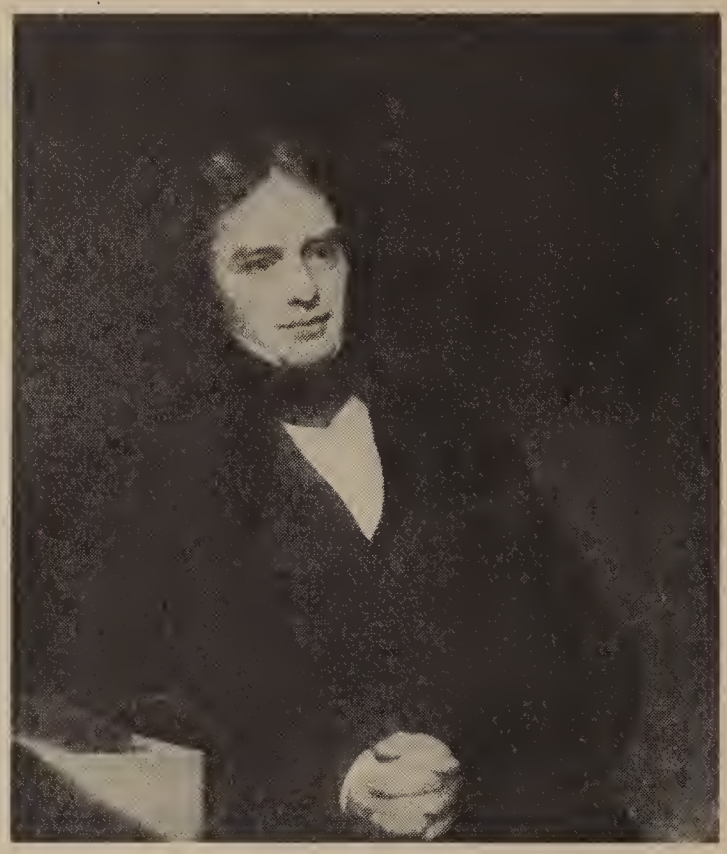
Washington, D. C.

A device which amplifies an electric current 10 quadrillion times was recently exhibited by G-E vacuum tube engineers at the radio and electric show of the Electric League of Washington, D. C. The device is a low-grid-current tube, which in conjunction with a Thyratron tube is capable of utilizing one hundredth of a millionth of a billionth of an ampere. To demonstrate the sensitivity of the low-grid-current tube, an amber rod was rubbed with paper thus creating minute electrical charges on the rod, which was then held at distances varying from five to 15 feet from a small box on which the tube was mounted. On the front of the box was a meter which showed plainly the degree to which the tube was affected by positive and negative charges obtained by rubbing the rod. Connected to this box was another box on which were mounted an incandescent lamp and a Thyratron tube which supplied the lamp with current. The minute charge from the amber rod was amplified by the low-grid-current tube sufficiently to operate the Thyratron tube and to turn the incandescent lamp on or off according to whether the charge was positive or negative.

Michael Faraday

Centennial of Great Scientist's Discovery of Electromagnetic Induction, which Made Electrical Age Possible, is now Being Celebrated

OUR laboratories are sometimes called the heart of the industry. Their researches are constantly giving our factories new products to manufacture, and the public new conveniences and comforts. In the laboratories originate new ideas and machines for improving old products and making them less expensive. But our laboratories themselves and the entire electrical industry were made possible by the researches of an Englishman by the name of Michael Faraday, who discovered that mechanical energy could be transformed into electrical energy and back again. His discoveries in the field of magnetism and electricity made possible the transformer, the dynamo and the electric motor. The dynamo, or generator as we call it now, gave us a cheap and abundant source of electricity; the transformer and motor gave us the means of using this new power source. And the host of inventions and discoveries that have followed since then have all depended on Faraday's fundamental work.



Michael Faraday

It is just one hundred years ago last month that Faraday made known the discovery of the principles involved in the generator and motor, and the centenary is now being observed both in this country and in England. The General Electric Co. is very closely tied up with the celebration. Professor Elihu Thomson, director of the Thomson Research Laboratories at the Lynn Works of the Company, appeared before the British Association for the Advancement of Science in London on Sept. 28 and related how he applied Faraday's laws 50 years ago to the design of a dynamo for one of the first commercial electric-light systems in the world.

Professor Thomson told the British scientists that he was greatly thrilled upon first seeing as a youth the early English dynamo machines which grew out of Faraday's discoveries. Within a few years Professor Thomson said, he had himself designed and constructed practical dynamo machines.

Some of these Thomson dynamos were distinct pioneers and one of them forecast the common practice today in three-phase alternating-current generators. So impressive were the demonstrations which he was able to give with these little dynamos that a Philadelphia capitalist was attracted by the possibilities of electric lights. He and Thomson went into business, and the Thomson-Houston arc-light system had its beginning in this manner in 1879. A few years later Thomson's work was the origin of the Thomson-Houston Electric Company, of Lynn and Boston, Mass., which was one of the predecessors of the General Electric Company of today.

This Michael Faraday to whom we owe to a great extent not only the electrical industry but also the entire electrical age in which we live, was born, as they say in story books, of poor but honest parents. He was born Sept. 22, 1791, in a little Surrey village which is now part of greater London. His father was a working blacksmith who suffered not only poverty but also ill health.

At the age of 13, after practically no schooling of any kind, young Faraday was apprenticed to a bookseller and bookbinder. His employer was a kindly man and allowed him to examine the insides of the books he bound. There were two books which helped him especially, *The Encyclopedia Britannica,* from which he gained his first notions of chemistry and Miss Marcet's *Conversations on Chemistry,* which gave him his foundation in that science. He performed little experiments in chemistry which required little apparatus and the most inexpensive of chemicals. He borrowed money from his brother in order to attend lectures on natural philosophy.

When he had finished his apprenticeship, he went out to earn his living as a journeyman bookbinder. He found the going rather rough, and his first employer was a very disagreeable man. Through a friend however, he managed to get enough money to attend the last four lectures of the famous Sir Humphrey Davy at the Royal Institution.

He was so stirred by these lectures that he sat down and wrote a letter to Sir Humphrey who was at the time one of the most popular men in London and one of the best known men in all Europe. People were intensely interested in the new developments in science, and Sir Humphrey's eloquent lectures stirred the imagination of rich and

poor, intellectual and stupid alike. But for a poor journeyman bookbinder to write to such a man and expect an answer was an unheard of thing. Furthermore, Faraday had asked in his letter that Sir Humphrey make it possible for him to quit his trade which he hated and pursue science which he loved.

It is said that Davy showed Faraday's letter to a Mr. Phips at the Royal Institution, and asked, "What can I do?" "Do—put him to washing bottles; if he is good for anything, he will do it; if he refuses, he is good for nothing." "No, no," replied Davy, "We must try him with something better than that."

Shortly after this incident, Faraday left his humble lodgings, and was driven to the Royal Institute in a grand carriage with a liveried footman and all. And at the meeting of the Managers of the Royal Institution held in November, 1831, his application for a position was accepted. Some of his duties were to assist the lecturers and professors preparing for and during lectures, to clean and care for the apparatus and to dust the models and instruments in glass cases.

Faraday not only performed his routine duties conscientiously but also found time to study and take an active interest in what was going on about him. A week after he had taken up his duties, he was extracting sugar from beetroot. He joined the City Philosophical Society. Soon he was assisting Sir Humphrey with his experiments.

A few months later, he left with Sir Humphrey and Lady Davy on a two-year tour of the continent. Because of his humble position, Lady Davy insisted that Faraday be treated more or less as a servant. But Sir Humphrey, not wishing to impose duties that he knew distasteful to Faraday's proud sensitive nature, was more kind. While they were in Geneva, Faraday met the famous De la Rive, whose discerning friendship definitely lifted him out of the servant class.

On returning to England, Faraday started working again at the Royal Institution.

In 1821, Faraday was married and in the same year began a series of researches in electro-magnetism. After ten years of patient research, in 1831 he discovered electromagnetic induction. On Nov. 4, 1831, he spun a disc of copper between the poles of a great horseshoe magnet. This was the world's first dynamo.

Faraday had obtained electricity from magnetism; he had discovered how to convert mechanical motion into electrical energy. This apparently simple discovery, however, has revolutionized the entire world. It made possible our vast supply of electrical power, our incandescent lamps, radios, electrical refrigerators, electric irons and ironers, our electrically-propelled ships and all the host of electrical appliances that make ours the age of electricity.

Faraday lived for 36 years after this momentous discovery, and contributed greatly to the development of the dynamo, and to science in general. He might have been very wealthy when he died. But he died a poor man, having resolved to drop all remunerative work and devote his entire time to experimental research. He was poor materially, but very rich in achievement.

G-E Incandescent Lamp Dept. Sponsors *Judge* Bridge Contest

A STUTZ DV-32 Club Sedan is being offered as first prize in the third international Lenz Bridge Contest conducted by *Judge* Magazine and sponsored this year by General Electric MAZDA Lamps.

The Lenz Contract Bridge Contest began officially in the Sept. 26 issue of *Judge,* in which the first of the contest's ten problems appeared. In addition to problems by Sidney S. Lenz, Bridge editor of *Judge,* there will be problems by Milton C. Work, E. V. Shepard, and the late Wilbur C. Whitehead. Prizes worth $25,000 will be awarded to contestants whose solutions most nearly correspond with those by the authors, which have been written, sealed, and filed in the office of *Judge.* Those prizes include ocean trips, and many valuable merchandise articles, among which is a completely equipped General Electric kitchen.

The Stutz selected as first prize is a five-passenger Club Sedan valued at more than $6,000. It is a special Nile green paint job and its equipment includes a radio; six chromium-plated wire wheels, extras side mounted; fender lamps; chromium-plated radiator shutter; and dual exterior horns. Interior furnishings include lambskin rug, plush robe, and fatigue cushion.



Estelle Taylor Admired the Prize Car when it was Exhibited in Detroit Recently

Milwaukee Electric Railway and Light Company Wins Charles A. Coffin Railway Award

Ninth Annual Presentation Made Sept. 29 at Electric Railway Association Meeting

CARRYING more passengers, maintaining speedier trolley schedules, and having increased revenue over the previous year were among the accomplishments of the Milwaukee Electric Railway and Light Company during 1930. These, among others, led to the company's receiving the ninth annual Charles A. Coffin Foundation award at the convention of the American Electric Railway Association, at Atlantic City on Sept. 29. During the year, the Milwaukee company also reported the interurban passenger and freight system was rejuvenated; high service standards were maintained; employees were very carefully selected and trained, and given a pecuniary stake beyond agreed wages; accident prevention records were improved; and the confidence of both the public and bankers in the financial structure of the company was maintained.

The award of the Charles A. Coffin Foundation, established in 1922 by the General Electric Company as a perpetual memorial to its founder and first president, is given to that railway company which during the year has made a distinguished contribution to the development of electric railway transportation for the convenience of the public and the benefit of the industry. The award consists of a gold medal to the company and $1000 in cash to the company's employees' benefit association. The Charles A. Coffin prize committee of the A.E.R.A., which decided on the award, consisted of J. H. Hanna, chairman, Guy A. Richardson, and James H. McGraw.

The Milwaukee company, winner of the award, is controlled by the North American Edison Company of New York. S. B. Way of Milwaukee is president. More than 1000 rail cars and about 200 buses are operated.

Ten years ago, in common with the rest of the electric railway industry, the Milwaukee Electric Railway and Light Company was faced with the possibility of urban jitney and bus competition and with an interurban line which had to be improved or junked. Aggressive rather than defensive tactics were chosen. Buses were installed and rail lines improved in city service, and the interurban lines were thoroughly rehabilitated.

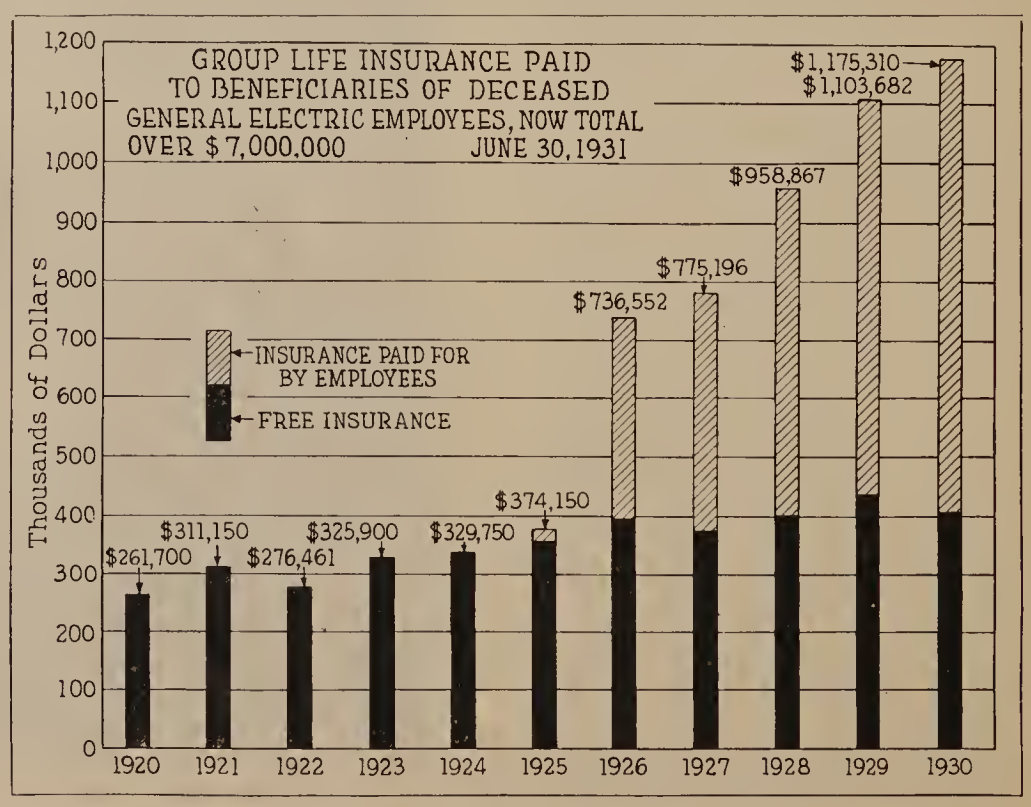
Particular effort was extended to make waiting and transferring easier. Shelters were built in downtown locations, and various protections against injury by passing automobiles were provided. The public responded with municipal celebrations. Radio trouble shooters working along the lines have made home entertainment better, and it was found greasing the trolley wire prevented radio interference.

By means of an expense savings sharing plan, employees were enabled to earn more than their set pay.

Suddenly in 1930 two major business blows, calculated to increase costs and decrease revenues, fell. General employment in company territory dropped 30 per cent. Almost simultaneously there started a "greater city" movement which promised to compel the company to carry passengers two miles further into the residential district at the seven-cent fare. The company appealed to the state railroad commission for permission to change its fare system so that casual riders would pay ten cents but regular patrons, by the use of passes, much less. Approval of the plan brought the average cost to regular riders to less than five cents and increased the revenues and the total number of riders. Cars were speeded up appreciably because of the time saved by the new fare collection system.

Much company financing is done through direct public stock sales. The last selling was done at a cost of $2.47 per $100. Dividends on both common and preferred have been paid over a period of almost 30 years.

The Wisconsin Railroad Commission recently issued an extended statement praising the company for its accomplishments in the face of economic conditions.





The New Floodlight

The "Senior," a New and Larger Handy Floodlight, Announced

A NEW and larger handy floodlight, the "Senior," designed for general-utility floodlighting and employing a 200-watt incandescent lamp, has been announced by the Company. Offered as a supplement to the 100-watt handy floodlight projector, the new "Senior," smaller and less expensive than the standard floodlighting projectors, is expected to find new uses on farms and estates, in households, in and around garages, at wayside road stands and in other uses where light requirements do not necessitate the larger, standard floodlighting units. Giving double the amount of light obtained from the smaller 100-watt handy it will fulfill requirements where a higher intensity of illumination is desired.

The "Senior" weighs approximately six pounds, measures less than 15 inches in height with its supporting stand and has a depth of 12½ inches from the center of the lens to the tip of the lamp holder. The diameter of the special heat-resisting lens measures 10 inches. A 200-watt inside-frosted general-service incandescent lamp with a 6-inch light center and medium screw base is used.

The new unit is composed of a sheet aluminum combination casing and reflector, pressed together

(*Continued on page 12*)

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of August 1931

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works							
1931							
2	June 28	Thomas M. Wilson	29	Father	Yes	Father	Yes
22	July 24	Frey Ney	60	Wife	Yes	Wife	Yes
8	Aug. 9	Eva V. McCormack	35	Daughter	Yes	Husband	Yes
14	Aug. 9	William T. Fleming	52	Wife	Yes	Wife	Yes
14	Aug. 15	William H. Hotaling	66	Wife	Yes	Wife	Yes
6	Aug. 16	Jennie J. Pyszkowski	27		*	Mother	Yes
32	Aug. 16	Delman E. English	53	Wife	Yes	Wife	Yes
River Works							
5	Aug. 9	Clarence A. Dana	46	Wife	Yes	Wife	Yes
9	Aug. 21	Harry King	38	Wife	Yes	Wife	Yes
Pittsfield Works							
14	Aug. 11	Ora C. Pomeroy	41	Mother	Yes		
Fort Wayne Works							
2	July 26	Mercedes C. Grimm	21	Mother	Yes	Mother	Yes
Bloomfield Works							
5	Aug. 26	Joseph M. McDonald	41	Wife	Yes	Wife	Yes
Philadelphia Works							
1	Aug. 8	Mary D. Mango	29	Mother	Yes	Mother	Yes
General and District Offices							
7	July 7	Pearl S. Hickox	33	Father	Yes	Father	Yes
1	Aug. 3	Edward Cermak	48	Wife	Yes	Wife	Yes
8	Aug. 10	George M. Hillman	29	Wife	Yes	Wife	Yes
2	Aug. 16	Howard W. Nash	37	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
3	Aug. 8	Lewis Morrison	21	Mother	Yes	Mother	Yes
6	Aug. 28	Thomas J. Barrett	41	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
21	July 26	Russell J. Parker	70	Wife	Yes	Wife	Yes
39	Aug. 19	George Bernhard	67			Wife	Yes
27	Aug. 13	William L. Winegard	59	Wife	Yes	Disability	
29	Aug. 13	Tony Peterson	70	Wife	Yes	Son	Yes
River Works							
34	Aug. 15	James Dunphey	67			Wife	Yes
Fort Wayne Works							
37	Aug. 14	George E. Kayser	62	Wife	Yes	Wife	Yes
General and District Offices							
24	Aug. 21	Mary McLean	63			Sister	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of Aug., 1931	22	$ 21,237.25	24	$34,500
Claims previously paid, 1931	213	247,316.33	219	379,000
Total Claims 8 Months, 1931	235	$268,553.58	243	$413,500

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.		Add'l Ins.
Schenectady Works						
18	Aug. 26	William D. Lathers	59			Yes
Pittsfield Works						
16	July 30	James A. Maloney	52			Yes
Fort Wayne Works						
31	July 30	Benedict Krock	58			Yes
Bloomfield Works						
30	Aug. 10	Alexander G. Hine	52			Yes
Disability Claims granted Aug., 1931					4	$8,000
Disability Claims previously granted, 1931			4	$3,500	49	73,000
Disability Claims 8 Months, 1931			4	$3,500	53	$81,000
Total Death and Disability Claims since Jan. 1, 1920						$7,546,923.13

*Free Insurance cancelled after one year's absence due to illness

Two Granted Charles P. Steinmetz Scholarships

THE Charles P. Steinmetz Memorial Scholarships available for 1931 were presented to L. Reed Tripp and Ralph Semerad. These scholarships, awarded for high scholastic attainment and general ability, provide a sum of money which is applied each year to the tuition expenses at Union College if a satisfactory record of scholarship is maintained. All G-E employees and sons of G-E employees at any Works are eligible as candidates for these scholarships.

The Steinmetz Scholarships are another feature of the Company's educational program and further illustrate its willingness to help ambitious persons to secure advantages through higher education. The Gerard Swope Loan Fund and the General Electric Educational Loan Fund were founded to assist employees or their children to finance their college courses when they are unable to carry the full expense themselves. The Steinmetz Scholarships, on the other hand, are distinctly a reward for merit, for scholastic attainment, and for leadership.

The two boys chosen to receive the awards for this year are exceptionally well-fitted in both leadership and scholarship to make the most of the opportunities offered by the Steinmetz awards. During their high school careers, both boys secured average grades of 95 per cent, and, in addition, were extensively engaged in athletic and social activities.

L. Reed Tripp

L. Reed Tripp, 18 years old, son of Louis Tripp, drafting inspector, Bldg. 105, Schenectady Works, was graduated from Schenectady High School in January, 1931, and this fall entered Union College in the pre-law course. While in high school, Mr. Tripp was affiliated with several clubs and figured prominently in debating activities. In his freshman year, he was elected president of his class, an honor which he held during his entire high school course. Mr. Tripp also served on the Students Council, on the administrative board for the athletics of the school, and was a member of the Eastern District Symphony Orchestra, in addition to playing the title role in the senior class dramatic production. On



L. Reed Tripp



Ralph Semerad

his graduation, he was elected salutatorian of his class, a scholastic honor which came as a climax to his career as president of the National Honor Society, president of the Physics Honor Society, and treasurer of the Mathematics Honor Society.

On completing his course at Union College, Mr. Tripp plans to enter the legal profession, specializing in either corporation or international law.

Ralph Semerad

Ralph Semerad, 17 years old, son of Joseph W. Semerad, accountant in the Accounting, Receipts Dept., Schenectady Works, was graduated from Schenectady High School with the class of June, 1931, and entered Union College this fall. While in high school, Mr. Semerad achieved an unusual record in scholarship, extra-curricular activity, and athletics. In addition to being connected with many clubs, Mr. Semerad performed exceptionally well as a member of the varsity football, baseball, and basketball teams. He likewise was elected to the National Honor Society, the Physics Honor Society, and the Mathematics Honor Society. Last spring, Mr. Semerad was chosen as the One-hour Mayor of Schenectady by a sizable plurality.

On graduation from Union College, Mr. Semerad plans to apply for admission to the Harvard School of Law, where he hopes to lay the foundation for a legal career.

Now IS THE TIME
TO *Buy*
G-E Products
See Page 3 for a Special
G-E Refrigerator Offer
Inquire at
Your Employees' Store
Regarding the
NEW G-E RADIO

The "Senior" Handy Floodlight Announced

(*Continued from page 11*)

with a separately drawn socket-supporting cap over a supporting ring. The socket support, casing-reflector and ring are made substantially integral by the pressing and beading operation. The casing is polished inside, forming the specular surface for reflecting purposes.

The front lens, 10 inches in diameter and of heat-resisting, clear convex glass, is clamped against a gasket fitting in a groove in the reflector, a rolled split clamping ring with non-losable clamp screw at the bottom engaging two clamp castings riveted to the ring.

A rubber-covered twin-conductor lamp cord is woven through a rubber bushing affixed to the socket-supporting cap to prevent entrance of moisture and abrasion of the cord.

Vertical and horizontal adjustments are obtained with wing nuts in the swivel support and base. The projector is finished in dark green baked enamel for the base, swivel support and casing. The clamping ring is aluminum lacquer sprayed, and the clamping bolts and wing nuts are cadmium plated.

GIRLS' SECTION

Elex Activities

Membership Drive

THE annual membership drive of the Elex Club, which was conducted from Sept. 14 to 25, resulted in the acquiring of 436 members. The drive was carried out as a competition between sections. A billboard was erected at the end of Bldg. 19 with little automobiles in colors representing the respective sections and at noon of each day these automobiles were advanced according to the progress made in the drive. There was much good-natured rivalry among the different groups. At first the Transformer group was in the lead, then for several days the Meter girls held first place, but on the last lap the Office section forgcd ahead and finished in first placc.

Six prizes had been offered in the membership contest, namely: first, second and third to the solicitors securing the most members; and first, second and third to the ones securing the highest percentages of members out of their assignment of girls to bc solicited. Tessie Hardwick, of the Office group, secured the most members; Josephine Offerle, Meter group, was second; and Helen Baker, of the Fractional Horsepower Motor group, was third. The girls having the highest percentages were: first, Myrle Strause, of the Meter section; second, Leona Farra, of the Wire and Insulation section; and third, Christine Haas, of the Transformer section. The prizes in each division of the contest were: first, five-dollar bill; second, leathcr purse; third, scarf.

The membership drive was under the general direction of the Elex Executive Committee and the following girls were the solicitors: Leona Farra, Christine Haas, and Louise Lawson for the Transformcr section; Josephine Offerle and Myrle Strause for the Meter section; Tessie Hardwick, Esther Moll and Leone Stone, Office section; Ivena Ziegler, Ruth Theurer, Mary Cookson, Marie Wickelman, Helen Baker, Ruth Fuller, Loretta Starr and Edith Venrick, Fractional Horsepower Motor section.

Annual Banquet

Members of the Elex Club closed the 1930-31 season with their annual banquet which was held on Sept. 29 in the Works restaurant, Bldg. 16-2.

The banquet hall had been transformerd into a lovely garden with a white picket gate with roses climbing over it guarding the entrance. Smilax and boughs of green leaves formed a canopy over the tables, while leaves in autumn shades decorated the borders. The stage for the orchestra was surrounded by palms and tall pedestals topped by jars filled with brightly colored flowers and baskets of bittersweet, almost concealing the three-piece orchestra which, under the direction of Pete Dannecker, furnished music for the occasion. The tables were beautifully decorated with trailing green smilax, tiny white trellises entwined with yellow carnations, and tall yellow tapers tied with bows of green tulle. A bowl of yellow carnations and marigolds marked the table arranged for the guests.

Following the serving of the dinner an election of officers for the 1931-32 season was held which resulted in the selection of Mrs. Louise Lawson for president, Myrle Strause for vice president, Hilda Puff for secretary, and Mrs. Lena Shull for a second term as treasurer. The awarding of the prizes in the membership drive followed the elcction of officers.

Walter S. Goll, manager of our Fort Wayne Works, Mr. and Mrs. C. H. Matson, Mr. and Mrs. Fred Duryee, Mr. and Mrs. James H. Gargett, Mr. and Mrs. Herschel Smith, Mr. and Mrs. E. A. Barnes and Mr. and Mrs. Hockett were guests. Messrs. Goll, Duryee, Gargett, Smith, Barnes and Hockett all gave short talks that were very much appreciated by the audience.

The arrangements for the banquct were made by the Elex Executive Committee, consisting of Marie Blough, chairman, Louise Lawson, Miriam Valentine, Lena Shull, Esther Moll, Irene Meyers, Lois Miller and Leone Stone. Hilda Walda and Ruth Fuller assisted the executive committec.

Masquerade Roller Skate

The first meeting of the Elcx Club under the regime of the newly elected officers will be held in Bldg. 16-2, Oct. 20. Supper will be served, beginning at 5:10 p.m. The classes which are to be conducted during the first half of the season will be announced and the girls will be given an opportunity to register for them. Afterwards there will be a grand masquerade roller skating party at Bell's Rink. This part of the program will be open to the public, men, women and children, and the committec is expecting a big crowd.

In Memory

DURING the past Elex year deep shadows have mingled with the golden rays of the sunshine, and today we miss the presencc of four of our faithful and beloved members who have died.

Their work among us is finished, but the memory and influence of their lives on earth will remain with us always. We shall miss their cheerful smiles and many contributions of love and labor, but we know that our lives have bcen made better and broader for their having lived, and the names of Fern Burris, Mercedes Grimme, LaVera Vail and Clara Gilmore will ever bring cherished memories to all who knew them.

And so our tribute thus we pay
To those we loved, who could not stay,
Through pearly gates once more ajar,
Were welcomed, those come from afar.
We know the parting is not long,
We, too, shall join the silent throng.
God closed their eyes to mortal sight
So tenderly we say, "Good Night."

ELEX CLUB.

Farewell Party Held for Dorothea Swank

DOROTHEA SWANK, who left here on Sept. 18 to continue her studies at Ball Teachers' College at Muncie, was honored with a farewell party by her friends and associates in Bldg. 4-2, where she had been working during the summer vacation. Dorothy Kilfoy was the hostess, entertaining the guests at the home of her sister, Mrs. George Goeglein, on the Lima road. The evening was spent playing games after which a luncheon was served.

The honor guest was the recipient of a lovely gift from those who were present: Mr. and Mrs. William Ferrell, Theodore Brockmeyer, Dolores Boran, Fern Truelove, Mildred Rose, Elizabeth Wolfe, Mary Ringle, Frances DeLong, Mary Bishop, Myrtle Worman, Mary Acker, Florice Prosmire, Opal Roap, Beulah Bayman, Helen Miller, Zella Sheehan, Dorothy Kilfoy and Mrs. Gene Geller.

Meter Dept. Bride Honored

THE girls employed in Mr. Hermely's Dept. Bldg. 26-4 gave a post-nuptial shower honoring Mrs. C. Engleman, nee Bessie Smith, a recent bride from that department. The shower was given at the Tarry Tavern on the Lincoln Highway on the evening of Sept. 24. A chicken dinner was served at 8:30 o'clock to the guests grouped around a long table which was beautifully decorated with pink candles, bud vases containing pink flowers, and a large three-tiered cake decorated with pink, for a centerpiece. A huge pink bow marked the place of the honor guest.

Those present were: Cecil Linker, Addie Stevenson, Adele Weitfeld, Josephine Magers, Josephine Offerle, Lucile Wagner, Bessie Shaffer, Eva Houswort, Esther Pape, Helen Stahl, Della Knoche, Ireta Littlejohn, Ruth Lindeman, Colleen Behers, Clara Henry, Buelah Baldwin, Edith Holle, Dorothy Rebber, Irene Meyers and the honor guest.

Housewarming

A GROUP of girls employed in the Frac. Hp. Motor Division offices in Bldg. 4-6 surprised Mrs. Vivian Bond, one of their co-workers, by gathering at her new home on Lake Ave. on the evening of Sept. 7 for a housewarming. The group presented Mrs. Bond with a lovely dinner set and then spent the evening playing bridge. Prizes in the bridge games were won by Williadean Moore, Kathryn Erwin and Lois Miller, who in turn presented their prizes to the honor guest.

Zoa Didier, Ruth Wiehe, Pauline Gerlich, Mabel Martin, Marguerite Blotlsamp, Loretta Hinbert, Hilda Deck, Kathryn Erwin, Mary Orr, Edna Meiber, Emily Guth, Phyllis Fitzgerald, Wilma Hohenschuetz, Lois Miller and Williadean Moore were included in the group.

Just News

PERHAPS a great many of our girls who remember Irene Whitehead, now Mrs. Helge Hoglund, will be interested to know that a baby daughter was born to her on Sept. 17. The little girl has been named Mary Hope.

Girls' Gym Class

DON'T you want to join the gym class which meets every week? It's lots of fun and the instruction is free, you know.

If you are interested send your name, number of the building and floor where you work, and your foreman's name to Esther Moll, Bldg. 21, immediately, so that you may be notified when the first class is to be held.

Girls' Basketball

THE basketball season is here. If you are interested in playing basketball this winter, send your name, the number of the building and floor where you work, and your foreman's name to Esther Moll, Bldg. 21, immediately.

Any girl who wants to play basketball, or who wants to learn to play, is cordially invited to come out for practice which will begin within the next two weeks. Send your name in, however, so that you may be notified as to when practice will be held.

It costs you nothing to play, and we guarantee a good time and a good work-out. If you have any questions to ask, get in touch with Esther Moll.

Meter Engineers Enjoy Party At Lake James

THE annual week-end party of the Meter Engineering Dept. was staged at Nelson Bucher's cottage on Lake James, Sept. 19 and 20.

The festivities were officially opened with a ball game staged between the Bears and Bulls, the groups into which the members of the party were divided. Due to the heavy stick work of Ridgley and Beyer and the superb pitching of "Lefty" Laubenstein, the Bulls won the game by the top-heavy score of 27 to 13. Clayton starred for the losers with four walks out of four times at bat, due to the graciousness of the umpire, J. L. Bireley.

Messrs. Goll and Morganthaler motored up for the afternoon and early evening festivities. Mr. Goll introduced several new songs during the song service indulged in by the group gathered around the dinner table at the hotel.

Adjournment to the cottage found the Indoor Sports Committee awaiting with a program of entertainment consisting of a three-reel movie thriller and several vaudeville acts.

Sunday morning found some of the group in boats, others in bed and the remainder on the golf course. Hamilton Rumrill carried off the golf prize, which is attributed to the fact that his playing ability was underestimated when the handicaps were computed.

The digestion of the usual Sunday chicken dinner was greatly accelerated by the speed boat maneuvers in which the various members of the party participated. Mr. Bucher, the owner of the boat, was at the controls.

Messrs. Goll, Morganthaler, Bireley, Bucher, Danford, Thompson, Beyer, Owen, Stark, Clayton, Payton, Schwandt, Ridgley, Verrall, Witherow, Laubenstein, Talmadge, Rumrill, Meyer and Misegades made up the congenial party.

Through this medium thanks are extended to Mr. Bucher for his hospitality and to Mr. Ridgley and his aides.



J. T. Fredendall



Oscar Weitzman



Fred Mennewisch

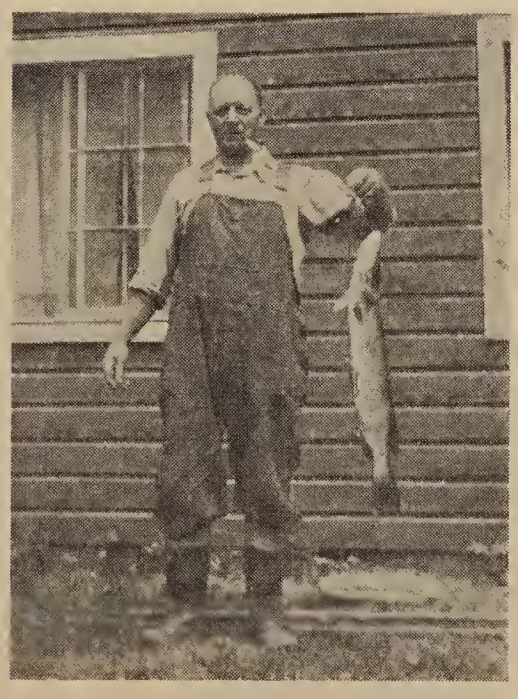
Three Join Quarter Century Club

THE Quarter Century Club acquired three new members during the month of September, J. T. Fredendall, Bldg. 18-2; Oscar Weitzman, Bldg. 18-4, and Fred Mennewisch, Bldg. 22.

Mr. Fredendall joined the General Electric organization at Schenectady on Sept. 6, 1906, where he took a position in the Induction Motor Cost Dept. When induction motor manufacture was transferred to Fort Wayne in 1917, Mr. Fredendall came to Fort Wayne to take charge of the cost work on this line of machine. On June 12, 1922, Mr. Fredendall was transferred from the Cost Dept. to take charge of the Wage Rate Dept. and continued on such work until July 19, 1924, when he was appointed supervisor of clerical operations. In this capacity Mr. Fredendall has general supervision of the Distribution and Stationery Dept., the Tabulating Division and all of the several stenographic sections at our Broadway and Winter Street plants.

Mr. Weitzman entered General Electric's employ here at our Fort Wayne Works on Sept. 10, 1906, his first work being under Foreman Roy Knoll on the manufacture of small tools for use in the Meter Dept. After about three months with Mr. Knoll, Mr. Weitzman secured a transfer to B. C. Evans' department where he served a four-year apprenticeship in tool making. Then after a few years as a regular tool maker under Mr. Evans he was transferred to the recently established Apprentice Dept. as assistant to Foreman Ray Doyle, who originally had charge of the school. When Mr. Doyle left our organization in 1918 Mr. Weitzman succeeded him in charge of Apprentice Training and continued as head of such department for the ensuing 10 years. On Oct. 1, 1928, he was transferred to the Tool Division under his old foreman, B. C. Evans, who in the meantime had been advanced to the position of superintendent of the Tool Division and placed in charge of all tool design and construction at our Fort Wayne Works. Mr. Weitzman is now following the engineering and design of special tools and equipment for the Refrigeration Division which he finds most interesting work.

Mr. Mennewisch became a General Electric employee on Sept. 25, 1906, when he reported for work as a punch press operator under Foreman F. J. Schwartzkopf in Bldg. 2-1. When the punch press work was divided during the time of the late war, Mr. Mennewisch continued with the section under Mr. Schwartzkopf and moved with such section to Bldg. 26-1. Some years ago Mr. Schwartzkopf assigned Mr. Mennewisch to die-setting work, and now he works with Roy Ormiston in the setting of dies and caring for the running adjustments and repairs to the Transformer Division presses located in Bldg. 22 and the basement of Bldg. 26.



Fred Lenz, Bldg. 6-B, with one of the pike he caught at Turkey Lake

Simple Treatment for Acid Burns

IF YOU happen to get acid on your skin, the first treatment necessary is to wash it off with water. The more water used the better; get under a shower bath, a faucet of running water, or have a hose squirted on you. If any acid is in the eyes, the common drinking fountain may be used to wash the eye.

After the acid has been flushed off with the water, the next step is to report for first aid treatment.

Ticklers

Lord Dawson of Penn relates this in a recent *Atlantic:* A farm laborer in England had been out of work for many months and had been living on the dole. He remarked to his physician one day:

"Doctor, do you know I had an offer of work some days ago which would have given me five shillings more a week than I am getting from the dole, but after giving it thorough reflection, I preferred to remain independent."

—*Boston Transcript.*

* * *

Bump: "Has your wife learned to drive the car yet?"

Bumper: "Yes, in an advisory capacity."

—*College Humor.*

* * *

SOME SPEED

A farmer became the father of twins, and on learning the news he was so delighted that he hurried to the nearest telegraph office and sent a telegram to his sister-in-law:

"Twins today. More tomorrow."

—*Wall Street Journal.*

* * *

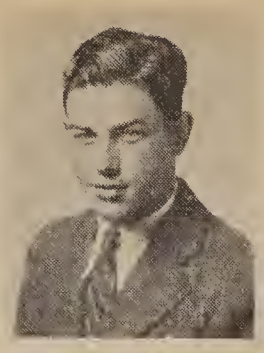
Doctor: "What you need, my dear young lady, is a little sun and air."

Sweet Young Thing: "Why, Doctor, how dare you! Why, I'm not even married."

—*Patton's Monthly.*



William Driskell



Milo Schmidt



Henry Mizer

Five Apprentices Receive Diplomas

THERE are five apprentice graduates to report in this issue, two who finished the machinist-toolmaker course, one who took the course in drafting and two who completed their training as electric testers.

Milo Schmidt, a machinist and toolmaker apprentice, finished his training on July 31, but due to the period of vacation which followed he was omitted in our published reports. Mr. Schmidt came to General Electric following his graduation from the Roll, Indiana, High School in 1928. He is now working in the Toolmaking Dept. under Foreman F. R. Hoffman, Bldg. 26-5.

Henry Mizer, who also took the machinist-toolmaker course, completed his period of apprenticeship on Sept. 4 and now is working for Foreman F. R. Hoffman in the Toolmaking Dept., Bldg. 26-5. Mr. Mizer's home has always been here in Fort Wayne and his two years of high school credits required for entrance on the apprentice course were obtained from Central and South Side High Schools. For the past 10 years he has been an enlisted member of the Indiana National Guard.

John Nute, graduate of the draftsman course, finished his apprenticeship training Sept. 11 and is now working for Mr. Klingman, Bldg. 19-4. Mr. Nute comes from Wells County and graduated from the Bluffton High School in 1927.

LaMoyne Gale, who also received his apprentice diploma on Sept. 11, had taken the electrical tester course. Mr. Gale comes from Peru, Ind., where he was graduated from high school in 1928. He also is working for Mr. Klingman in Bldg. 19-4.

William Driskell, who completed the electrical tester course here on Sept. 18, came a long way to enroll for the course as his home was in Beckville, Texas. He graduated



John Nute



La Moyne Gale

from the Beckville High School in 1928 and then took a year's work at Marshall College before coming to Fort Wayne. He is now working for Howard Miller of the Works Laboratory, Bldg. 28.

Sleep

NOT many mornings ago, as he brushed his hair before the mirror, Bill noticed that his eyes were badly bloodshot. "How come?" he pondered, slipping into his coat and hurrying down to breakfast. Those eyes had him worried and, when he had polished off his cereal, he ventured a comment on the situation. "Guess I've been doing too much reading; probably ought to wear glasses," was his summing up.

Now Bill is a more than ordinarily healthy young man. Ex-

HAVE YOU A REFRIGERATOR IN YOUR HOME?
See Page 3

football player, six feet two, age 25, unmarried, not given to youth's too unusual excesses. So, if we had not known our young nephew so well, we would probably have let it go at that. We did, on the surface, but inwardly we said something like this: "You've got a fine, healthy body, and you're sensible in most ways, but you're burning your candle both ends. Get some sleep, young man, and forget the glasses." For Bill, like many another of his age, is doing just that. Up early, working hard all day and often into the evening, then climbing into his "glad rags" and his car, and off for a good time at some place where the orchestra plays until the small hours. In short, he is exhausting the store of energy which at 25 seems inexhaustible. So inexhaustible, in fact, that he quite missed the meaning of those bloodshot eyes.

Sleep is our cheapest and most potent medicine, our best insurance against a myriad of bodily ills. The case for it is so good, so obvious, that one wonders at the need of bringing it to general attention. Dr. Shirley W. Wynne, health commissioner of New York City, saw that need not long ago and summed up the case for sleep in these 10 points:

1. Sleep gives the heart a much-needed rest.
2. It permits the brain to take a vacation.
3. It allows energy to accumulate.
4. It enables the tissues to be rebuilt and restored.
5. It wards off and cures disease.
6. It permits relaxation of mind and body.
7. It serves to conserve bodily and mental strength.
8. Eight full hours are required by the normal person.
9. It is really more immediately essential than food.
10. Restful slumber is imperative. So aid in abatement of unnecessary noise.

A more modern summary, yet scarcely more adequate, and certainly no more appreciative than William Shakespeare's justly celebrated lines of three and a half centuries ago:

"Sleep that knits up the raveled sleeve of care,
The death of each day's life, sore labor's bath,
Balm of hurt minds, great nature's second course,
Chief nourisher in life's feast."

JUNIORS' PAGE

Dear G-E Juniors:

October is one of my favorite months. The days are cool and snappy and the leaves on the trees change to such bright pretty colors of red, yellow and brown. Then, too, in this month we have Halloween and it is such fun to make Jack-o-lanterns and play funny little pranks on our playmates, so we chose a Halloween puzzle for our Juniors' Page this month. In the neighborhood where Jack and Bob, the two little boys in the puzzle picture, live, there stands an old house far back on a wooded lot on which the weeds and brush have grown quite tall, and people say this house is haunted. So on Halloween when Jack and Bob, who are very good chums, were out playing pranks, Bob dared Jack to go inside the "haunted house." Of course Jack said he wasn't afraid and in he went. When he got inside the house an old owl that was sitting on top of the house called out "Who-o-o-o Who!" This frightened Jack and he came running out again, but he was so scared that he could not find the path that led out to the street. Now I want you G-E Juniors to help Jack find the path that will lead him away from the "haunted house" out to the street. You may trace the path on a piece of thin paper, if you like, and send me the tracing, which will be the answer to the Halloween puzzle.

I received several answers to the puzzle in the September WORKS NEWS and most of you found at least 15 things that were "wrong" in the picture; some of you found even more. The things we had in mind are: no openings in belfry; school made partly of brick and



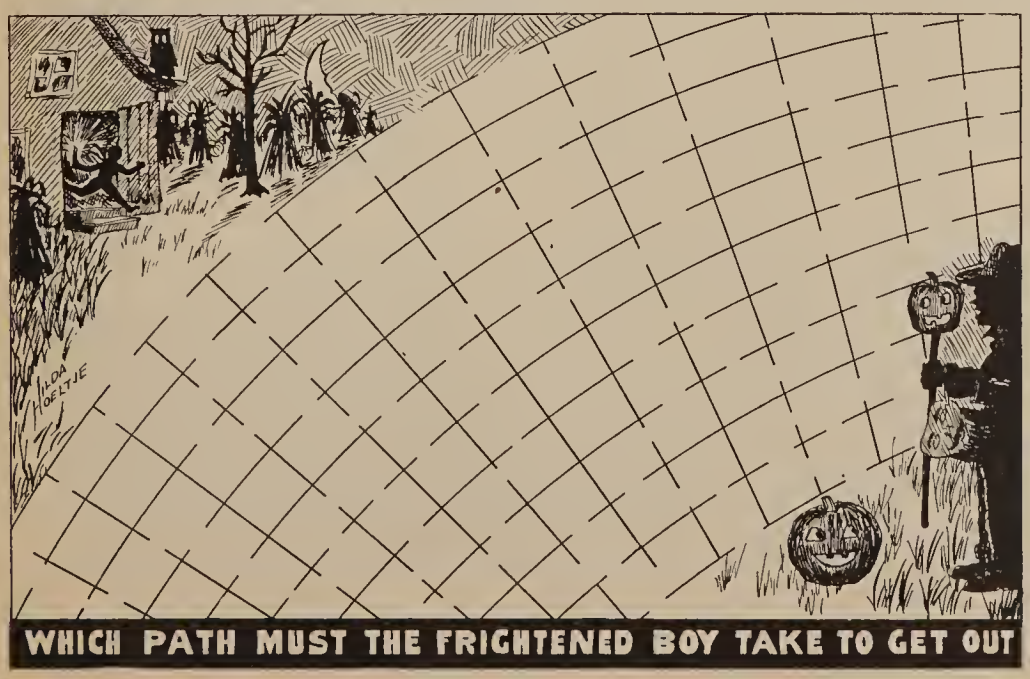
Beverly Walker

partly of boards; schoolhouse door made of bricks; trees blowing in opposite directions; skater's shadow on wrong side; skater's flag blowing forward; skater has on one ice skate and one roller skate; skater has on one white shoe and one black one; raining and sun shining at same time; rose and daisy growing on the same stalk; pears and apples growing on a vine; two kinds of leaves on same vine; rope of swing broken but swing does not fall; girl in swing has one buttoned slipper and one laced one; girl in swing has one sock with horizontal stripes and one with vertical stripes; hoop is broken; girl rolling hoop has one black sock and one white one; girl rolling hoop has only one sleeve in dress; fish are walking; rabbit has tail like a pig; table has only two legs; liquid in tumbler does not run out though glass is on its side; rake is upside down; boy raking has on one stocking and one sock; boy raking has on one shoe and one oxford.



Donald Hinrichs

I received letters from two new Juniors this time, Virginia Vodde and Emma Heinrich and they are both prize winners this month. Besides these we sent prizes to Estella Schwartz, Betty Rose and Dorothy Wyss of Fort Wayne and Catherine Murphy and Johnnie G. Waltke of Drcatur. I also received answers from Celeste Schwartz, Eleanor Schelper, Louis Webster, Margaret Everding, Geraldine Fabian, Elmer Devaux and Charles Gardt of Fort Wayne and Ella Fay Ogg and Esther Fisher of Decatur. Some little girl or boy who lives at 2519 Bowser Ave., Fort



Wayne, also sent me a solution to the puzzle but forgot to sign a name to the letter. I hope this little girl or boy will write to me again and give me the name so that I can give credit for this answer to the September puzzle. Celeste Schwartz sent in her solution to the puzzle in the August WORKS NEWS, but it came in too late for us to mention it in the September WORKS NEWS.

We have two cute pictures for our page this month. The little girl is Beverly Walker, the small granddaughter of Mrs. H. Prine of Bldg. 19-4, and the young hunter is Donald Hinrichs, the little son of Mrs. A. Hinrichs who also works in Bldg. 19-4.

Now I hope each one of you will write and tell me what you are planning to do on Halloween and also whether you found the path that would lead Jack away from the "haunted house."

Yours sincerely,

Jill

Winter Street Plant Section

Refrigeration Employees Attack Waste

ON Sept. 8 more than 600 of our employees were in attendance at a waste reduction program presented in the G-E Club. A picture produced by the National Cash Register Co., titled "Waste Can't Win," was well received and gave some timely suggestions in waste reduction, especially waste of time. Following our own Refrigerator Film "Sealed in Steel," short talks were given by Chester Lichtenberg and A. J. Siebt pertaining to our waste reduction program. Awards were given to departments having 100 per cent attendance at the meeting. Warren Locker was in charge of arrangements.

Night School Courses

FOURTEEN per cent of our employees are now enrolled in the night school courses offered by our



Byron Woodcox, Shipping Dept., with his summer's catch at Lake Papokeetchie

Company, and such employees are to be congratulated on this step they have made for self-improvement.

Supervisory Forces Stage Party

THE manufacturing heads had a well planned and therefore much enjoyed party at Pleasant View Cottage, located on the St. Joe river, Sept. 18. A. R. Kabisch, J. J. Rockhill and O. J. Mettler were in charge of arrangements. Chester Lichtenberg was a guest and A. J. Seibt served as host.

With Our Employees

Lester Essig, inspection foreman, was operated on for appendicitis, Sept. 19, at the Lutheran Hospital. Best wishes for a speedy and complete recovery, Lester.

Alton Bauman and Clifford Hoffman, both of Mr. Kabisch's department are recovering from recent illnesses.

Benjamin Hawk, of our Receiving Dept., was united in marriage to Felma L. Rosswurm, Aug. 15, the ceremony being performed at Indianapolis.

Edgar Gallmeier, of our Evaporator Section, and Kathryn Reed were married Sept. 20. The newlyweds are residing on Swinney Avenue.

Vern Gingher, Luther Thompson and Godfrey Erdman were in attendance at the American Legion Convention at Detroit Sept. 20 to 24. They report a great convention and a good time.

» » Athletics « «

Snyder Wins Horseshoe League Championship

THE Inter-department Horseshoe League season ended with Harold Snyder and John Blakely tied for first honors, with only one game lost in their scheduled 14 games. Accordingly a three-game series between Snyder and Blakely was determined upon to decide the championship. At the end of the first two games in this series the matter was still a draw. In the third and deciding game Snyder beat Blakely by the score of 50 to 43. Each pitched 78 shoes and out of this number scored 29 ringers, Snyder throwing 7 doubles while Blakely only secured 4.

There were 15 entries in the league this year, a smaller number than in previous seasons, but the competition was keener and every pitcher carried through his games according to schedule,

This is the ninth year that John Blakely has managed our Inter-department Horseshoe League and he, also, has handled a number of G-E championship teams in city leagues during that time. John has courts at his home where he practices and frequently coaches younger players in the game. Harold Snyder is one of his pupils and a newcomer to the game but his consistent pitching throughout the series and his control in the game which decided the championship shows that he possesses the ability to become a star.

FINAL STANDINGS

	W.	L.	Pct.
Blakely	13	1	.928
Snyder	13	1	.928
Hartman	12	2	.857
Stute	11	3	.785
Saylor	10	4	.714
Hibler	7	7	.500
Lee	7	7	.500
Pace	7	7	.500
Joseph	6	8	.428
Wedler	6	8	.428
Faulks	5	9	.357
Anderson	4	10	.286
Archer	2	12	.143
Wilson	1	13	.071
Haver	0	14	.000

City Industrial Baseball

The G-E Club team in the City Industrial Baseball league had a fairly successful season, making a good showing in the first half against particularly stiff opposition although they lost to the City Light team in the final game of the round by a close score.

The team was included in the upper bracket group for the second half and won all of the double round of games.



G-E SOFTBALL TEAM—CITY CHAMPIONS

Left to right—Back row: Glenn Staight, 2b; Bruce Curley, rf, p; Red Fenwick, 1b; Bob Hunt, rss; Jerry Schlund, 1b; Elmer Paul, 3b; Dick Florent, c; Paul Berghorn, manager. *Front row:* Bill Gatton, c; Dick Keller, p. rf; Emmett Heitler, lss; Pete Heckler, p; Carl Jacob, cf; Babe Trentadue, lf; George Houser, lss.

After the final game had been played, a protest was made against some of the G-E players, and despite the fact that they have been members of the squad for the past couple of seasons and permitted to take part in a majority of contests, the protest was upheld by the league managers and also by the League Appeal Board. It was impossible to replace these players and participate in the championship series between round leaders, so the team was withdrawn from the league.

Manager William Glenn is to be commended for his untiring efforts in selecting and handling the squad. Most of the teams in the circuit were considered plenty tough but the G-E representatives scored one or more victories over every team during the season.

Inter-department Baseball

The championship of the Inter-department Baseball league was won by the Apparatus team when they defeated Small Motor in one of the most exciting and entertaining series ever staged in departmental activities.



John Blakely and Harold Snyder, leaders, in the Inter-dept. Horseshoe League

Apparatus, contenders in last year's championship series, had won the first half title but were forced out of the lead during the second session when the Small Motor squad showed its strength and forged ahead to take the second round.

The first three games of the series were twilight affairs with the initial contest ending in a no-score tie when darkness prevented further play after the sixth inning. Small Motor copped the second game by a 4 to 2 score but Apparatus came back to even the count with a 4 to 3 victory in the third meeting. As both teams seemed so equally balanced it was decided to play the final game on Saturday afternoon over the full nine-inning route.

Vern Daseler, Apparatus ace, and Verdayne Fisher, mainstay of the Motors hurling staff, engaged in a battle that turned back 16 of the Small Motor men and 14 Apparatus hitters with strike-outs. Each pitcher issued one walk and both were exceedingly stingy with hits. An overthrow to first on a hastily fielded ball paved the way for the first Apparatus tally in the eighth, while two doubles and a single drove over the two scores in the ninth.

Most of the Inter-department games have drawn good attendance during the season and there were more than 1200 enthusiastic fans at the final contest.

LINEUPS AND SUMMARY

APPARATUS

	ab	r	h	o
Henry, 3b	3	0	0	1
Holmes, ss	2	0	0	0
Hamilton, cf	4	0	2	0
Harwood, lf	4	1	1	0
Daseler, p	4	1	1	0
Baumgartner, 1b	2	1	1	8
DeWitt, 2b	3	0	1	0
Best, c	4	0	0	16
Braden, rf	3	0	0	2
Totals	29	3	6	27



G-E CLUB BASEBALL TEAM—CITY INDUSTRIAL LEAGUE

Back row: Henry Bubb, Mel Kestner, George Cowan, Ernest Hanauer, Otto Rodenbeck, Verd Fisher, Lou Barney, William Glenn, manager. *Front row:* Paul Enders, Ed Kammeyer, Jim Daley, Adam Farrell, Bob Stafford, Don Lichty, Charles McAfee, Bob Glenn.

Small Motor	ab	r	h	o
Arnold, rf	3	0	1	0
McAfee, 3b	4	0	1	1
Fisher, p	4	0	0	0
Glenn, 2b	4	0	1	1
Cowan, 1b	4	0	1	5
Bubb, c	4	0	1	16
Brockall, lf	3	0	0	4
Heckler, ss	2	0	0	0
Leakey, cf	2	0	0	0
Springer, cf	1	0	0	0
Totals	31	0	5	27

Apparatus	0 0 0	0 0 0	0 1 2—3
Small Motor	0 0 0	0 0 0	0 0 0—0

Errors: Holmes, DeWitt, Arnold, McAfee, Fisher. Two-base hits: Hamilton, Harwood, Baumgartner, Daseler. Sacrifice: Cowan. Left on bases: Apparatus, 2; Small Motor, 7. Struck out: by Daseler, 16; by Fisher, 14. Base on balls: off Daseler, 1 (Arnold); off Fisher, 1 (Baumgartner). Umpires, Shady and Lindemuth. Time of game, 2:05.

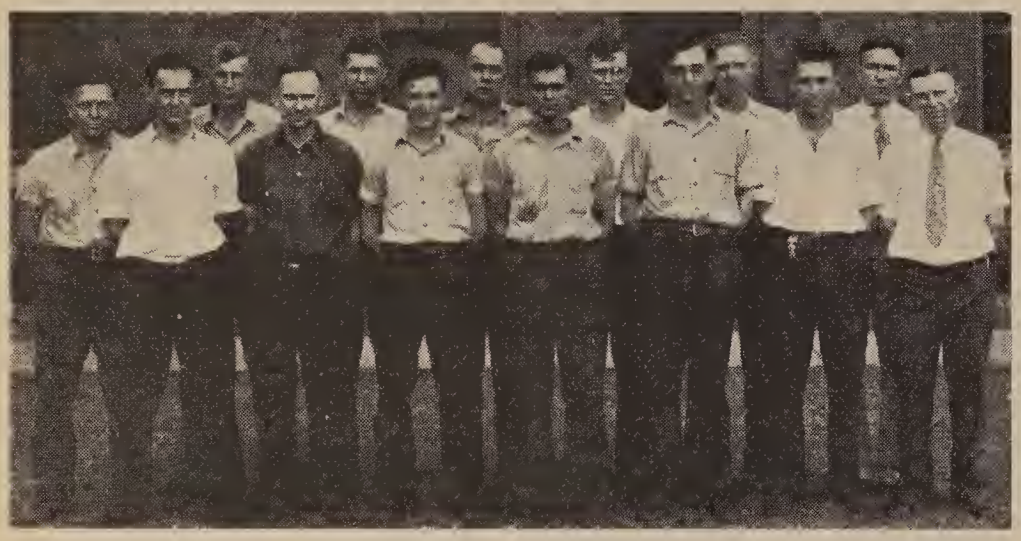
Final Standing

	W	L	Pct.
Apparatus	14	4	.777
Motor Vets	10	5	.668



APPARATUS TEAM—CHAMPIONS INTER-DEPARTMENT BASEBALL LEAGUE AND WINNERS OF THE MAIN AUTO SUPPLY TROPHY

Left to right: Ed Koch, manager, Vern Daseler, James Crowe, Sam Baumgartner, Bill Hoelle, Charles Braden, Harry DeWitt, Art Anderson, Isa Best, Dee Hamilton, Ife Holmes, Joe Henry, William Wehrs, superintendent Apparatus Dept.



SMALL MOTOR TEAM—SECOND-HALF WINNERS—INTER-DEPARTMENT BASEBALL LEAGUE

Left to right: Charles Brown, Bill Glenn, Vic Leaky, George Arnold, Ivo Bubb, Charles McAfee, Joe Cochoit, Ed Heckler, Verd Fisher, Walt Springer, George Cowan, Henry Bubb, Harold Longsworth, William Weber, manager.

Small Motor	11	7	.611
Winter Street	9	7	.562
Transformer	8	7	.533
Squares	7	9	.438
General Service	6	9	.400
Meter	2	6	.250
Apprentice	1	14	.066

City Softball League

The G-E Softball team repeated their last season's record of straight victories to again claim the City Softball league championship title, having 12 wins and no losses credited for this year's efforts, and added the city championship by defeating the Pennsylvania Railroad team, leaders in the City Railroad circuit.

Players for the League team were selected from Inter-department teams and included representatives from the Apparatus, Apprentice, Small Motor Office, Winter Street, Distribution, Squares, Rotors and Main Office squads. Most of the players have participated in softball league games for two or three seasons and have high averages in both hitting and fielding.

Jacob and Houser were leaders in hitting, although every player on the squad connected quite consistently with the ball.

Averages

	gp	ab	h	r	Ave.
Jacob	7	22	12	15	.545
Houser	5	15	8	7	.533
Staight	12	37	18	13	.488
Berghorn	6	15	7	6	.466
Hunt	11	38	17	12	.447
Trentadue	12	44	18	14	.409
Fenwick	6	11	4	3	.363
Heitler	6	25	9	12	.360
Heckler	11	39	14	18	.358
Keller	9	17	6	7	.353
Gatton	12	40	12	6	.300
Curley	6	7	2	3	.286
Florent	8	22	6	8	.272
Schlund	12	41	10	21	.244
Paul	11	38	9	14	.236

Inter-department Softball League

The Apprentice team added the Inter-department softball league championship to their long list of titles when they defeated the Rotors team in a play-off between division leaders at the end of the second half schedule, after winning the first half by scoring over Apparatus and Squares teams.

The 13 teams in the circuit played a total of 116 games during the season, keeping the two diamonds at the Taylor street grounds occupied four evenings each week since the first of May. Most of the games were closely contested and provided entertainment for the players and spectators.

Paul Berghorn, league manager, handled the entire schedule in an admirable manner and was given full co-operation by the team managers and players.



CHAMPIONSHIP GOLF SQUAD

Left to right: back row: G. W. Cain, S. C. Newlin, K. F. Koch, R. C. Hanna and L. Z. Gossman, manager. *Front row:* W. H. Sunier, Earl Lamboley, M. L. Hartman, I. N. Kellogg and H. L. McAtee.



APPRENTICE TEAM—CHAMPIONS, INTER-DEPARTMENT SOFTBALL LEAGUE—1931

Back row: Robert Truelove, Walter Stoppenhagen, Elmer Paul, Richard Florent, Robert Hunt, William Schible, Glenn Staight, manager. *Front row:* Francis Richards, Leonhard Michel, Carl Jacob, Elmer Hazelett, Wilfred Holloway, John Dilling, Earl Strouse.



ROTORS TEAM—DIVISION B WINNERS—INTER-DEPARTMENT SOFTBALL LEAGUE

Back row: Adam Flager, Carl Clevenger, Harold Gebhart, Walter Springer, Edward Heckler, Norbert Gase, manager. *Front row:* Charles Brown, Glen Cutler, Cecil Rose, Clarence Weaver, Wallace Fox, Leslie Swank.

Final Standings

DIVISION A

	W	L	Pct.
Apprentice	5	0	1.000
Winter Street	2	1	.667
Squares	3	2	.600
Refrigeration	1	2	.334
Apparatus	1	3	.250
Distribution	0	4	.000

DIVISION B

Rotors	6	0	1.000
Small Motor Factory	4	2	.667
Main Office	4	2	.667
Small Motor Office	2	3	.400
Tool Specials	2	3	.400
Transformer	1	4	.200
Plant Construction	0	5	.000

Apprentice won play-off.

G-E Wins City Golf League Championship

The G-E golf team took all honors in the city league this season, finishing the first round by defeating Fort Wayne Box Co., 166 to 185 in a play-off of tie for first place in the circuit standings and winning from the International Harvester Co. No. 1 team 352 to 355 in the championship 18-hole match.

The deciding contest was a high spot in the season's play with Harvester shooting eight strokes under their previous best score and leading by four strokes at the turn. They also held up well during the second nine, and although the last two holes were played in semi-darkness and during a blinding rain, the G-E champions continued their steady march to overcome their opponents' advantage and claim the victory.

PLAY-OFF SCORES

G-E TEAM

Hanna	40	40	80
Lamboley	42	42	84
Cain	46	41	87
Kellogg	49	52	101
Totals	177	175	352

HARVESTER NO. 1

Gildea	39	43	82
Ponsot	42	46	88
Aldrich	46	44	90
Dillon	46	49	95
Totals	173	182	355

SEASON AVERAGES

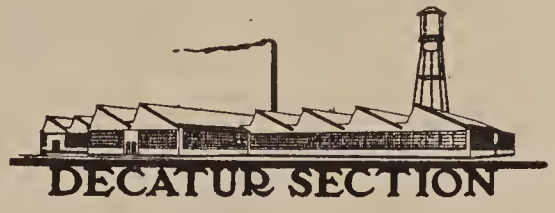
	Matches	Ave.
R. C. Hanna	12	40.67
E. Lamboley	13	41.0
G. W. Cain	12	45.33
S. C. Newlin	7	47.14
I. N. Kellogg	6	48.5
W. H. Sunier	3	48.33
M. L. Hartman	3	50.67
H. L. McAtee	2	51.5
H. F. Koch	2	54.0

Although no attempt was made to conduct a tennis schedule or tournament among the many good players here, the courts at Taylor Street were occupied with self-arranged single and double matches throughout the season.

A number of G-E players entered in the various city tennis tournaments and made exceptionally good showings.

* * *

Ed Kammeyer, Bldg. 19-4, a regular on the G-E baseball squad, has carried his summer form into the bowling season it seems, for already this season he has spilled the maples for a 287 count—just a very few short of a perfect score.



G-E Club Elects Officers

THE Decatur G-E Club held its third annual election of officers on Monday, Sept. 14. The new officers are: William Heim, president; Arbie Owens, vice president; Elsie Bunnegraph, secretary; Hubert Cochran, director.

Lhonas McIntosh was reappointed by Superintendent Lankenau as treasurer for the ensuing year while Dorothy Johnson, Bert Gage and William Kohls will be the other directors. Mr. Kohls becomes director by virtue of the constitutional provision whereby the outgoing president serves as director during the term of office of his successor. Miss Bunnegraph, who was elected secretary, had by appointment served in this capacity for a part of the past year, completing the unexpired term of Miriam Myers, who had resigned.

The new officers and directors were scheduled to hold their first meeting on Oct. 7, following a dinner to be attended by the present and outgoing officers of the club. At this meeting general plans were to be made for such social and athletic activities as the club may foster during the ensuing year.

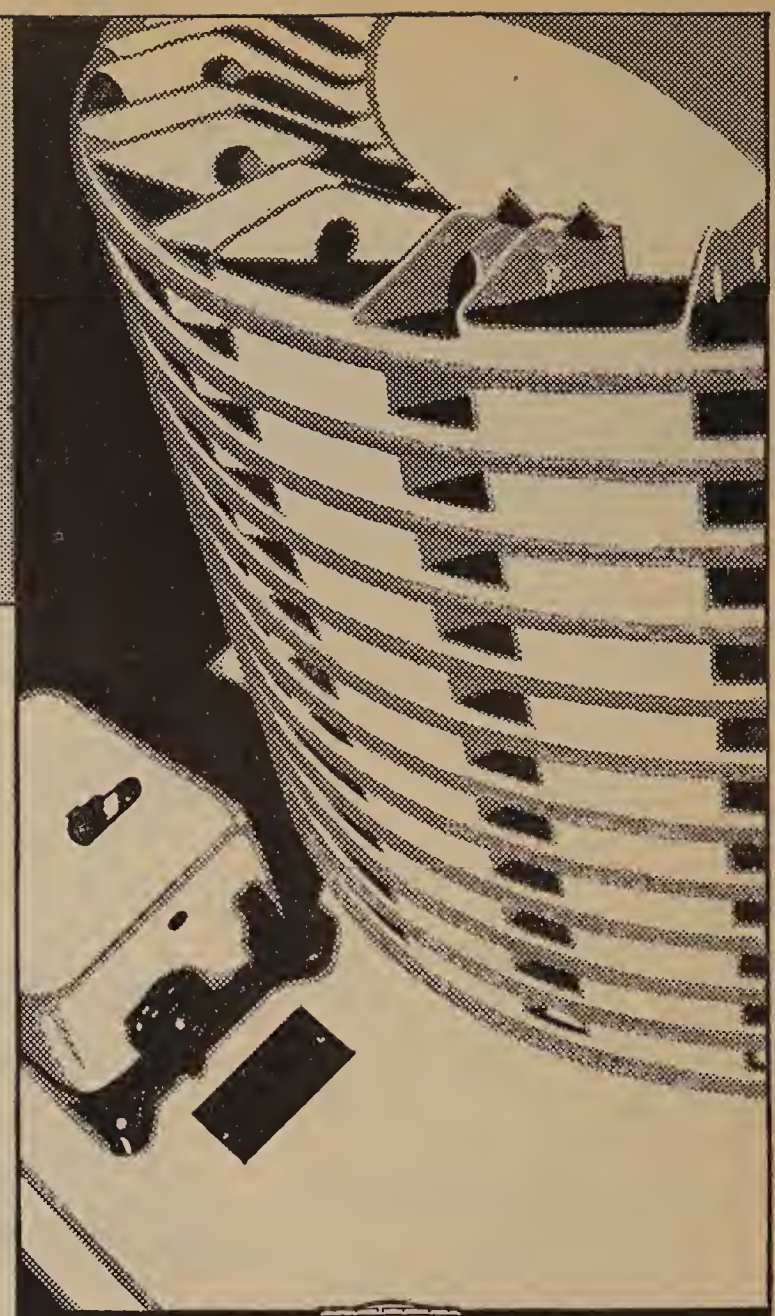
General Electric in Evidence At Decatur Street Fair

DURING the street fair held at Decatur the week ending Sept. 19 the name of General Electric was very prominently displayed. Leo Kirsch, the local G-E dealer had a very fine exhibit of various electric household devices. The "House of Magic," a special display, was secured for the occasion and excited a great deal of wonder from the crowds which visited the fair. The Decatur G-E Band was on hand each afternoon during the fair, furnishing the music for all the free acts and parades.

In the stunt parade Fred Braun, yard foreman at the local G-E Plant, appeared in a high top hat and coachman's coat driving two horses to a carriage such as was in use at about the time of our Civil War. Although there were many clever and unique entries in the parade Mr. Braun won the grand prize, $15.

A GENERAL ELECTRIC

WILL SAVE YOU $51.00 THIS WINTER

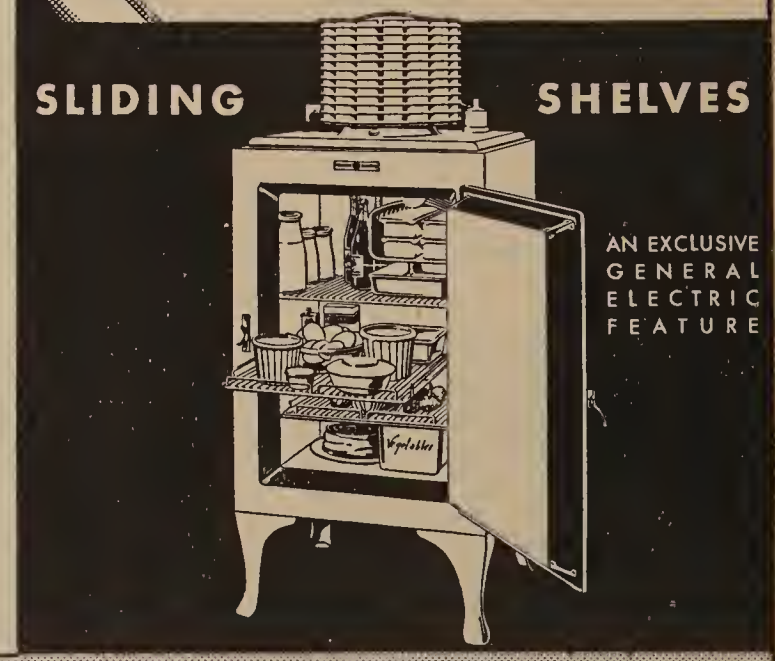


● A General Electric Refrigerator makes it possible to do all your marketing on the days special low prices are offered. You can buy in larger quantities. Left-overs are not wasted. Monthly savings to an average family will amount to $8.50 . . . in six months your General Electric will have saved $51.00. Don't be without the convenience of a General Electric this winter. Buy in November and take advantage of the special discount offered to employees now!

These features make the General Electric the greatest dollar value in refrigeration! Study them.

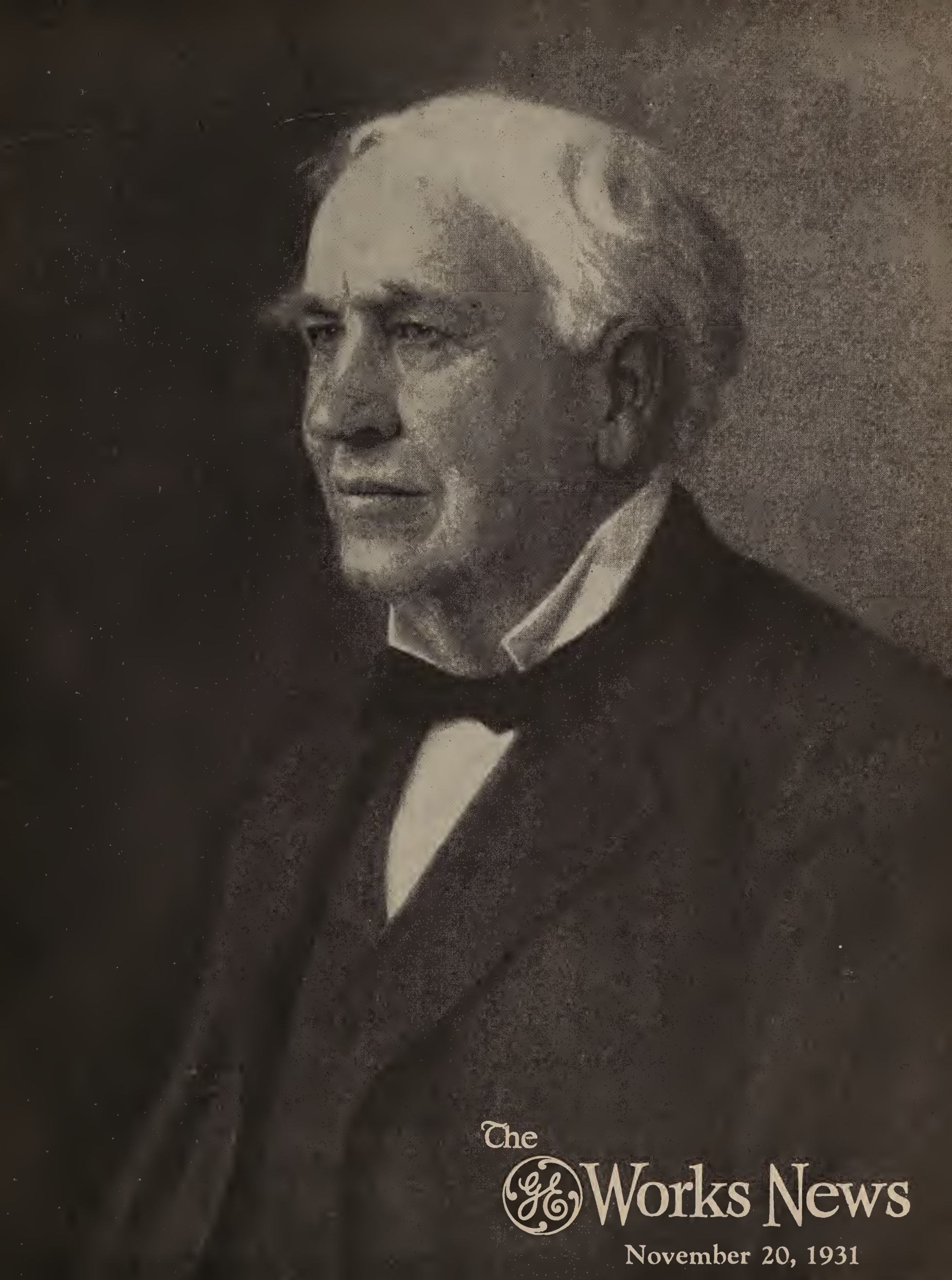
No mechanism in the cabinet . . . it's hermetically sealed in the steel walls of the Monitor Top. Never requires attention, not even oiling. Cabinets built *entirely* of steel. Roomy interiors, lined with acid and stain resisting porcelain. An all porcelain Super-Freezer that is open, sanitary, easy to clean. Sliding shelves that bring food in plain sight and easy reach. A 3-Year Guarantee that *really* gives complete protection against any and all service expense.

See pages 3, 4 and 5 for special employee's purchase opportunity. For November and December only.



GENERAL ELECTRIC

ALL-STEEL REFRIGERATOR



The GE Works News

November 20, 1931

MORALE

It wins wars.
It beats depressions.
It lays the firm foundations for prosperity.

AMERICA is engaged in a mighty enterprise of morale building. In one month—October 19th to November 25th—every city and town in the land will raise the funds that will be necessary to banish from its borders the fear of hunger and cold.

Just one month, and our biggest job will be over. Just one month, and we shall have met the worst threat the Depression can offer; and we shall have won!

You can help. Give to the funds that your community is raising. Give generously.

Feel the thrill that comes with victory. Go forward with America to the better days ahead.

The President's Organization on Unemployment Relief

Walter S. Gifford
Director

Committee on Mobilization of Relief Resources

Gerard Swope
Chairman

The President's Organization on Unemployment Relief is non-political and non-sectarian. Its purpose is to aid local welfare and relief agencies everywhere to provide for local needs. All facilities for the nation-wide program, including this advertisement, have been furnished to the Committee without cost.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 November 20, 1931 No. 11

A Real Task but a Worth While Accomplishment

IN OUR Meter Division recently there was a period of industrial activity not matched in intensity since the days of the World War. This period of feverish activity was occasioned by the New York Edison Company's unusually large order for demand metering equipment which our Company received on June 24.

While this business was in prospect our factories here and at West Lynn had authorized our commercial representatives to make unusual promises in the way of deliveries. Although our stocks of raw materials were low and our Meter Division's regular force of factory employees had become widely scattered due to the decreased rates of production during the business depression, it was thought that Fort Wayne could take care of the early deliveries by utilizing a stock of certain standard demand meter registers that had been built up during the slack times. One of the first things to be discovered when the order was received was that our stock of demand meter registers could not be used. There was only one thing to do and that was to build new registers to meet the customer's requirements.

Naturally the situation which confronted our Meter Organization was one which was extreme. The engineers worked speedily to get out specifications and drawings for the demand meter registers required by the customer and the production men worked overtime in making out orders for supplies. Our Order Dept. used the telegraph freely in placing orders for supplies and the factory organization began to marshal their forces to handle the situation as soon as materials were received. One of the first things to be done was to re-arrange a large section of the factory to accommodate an unusually large force of assemblers for the maximum rate of production agreed on in taking the order was many times that at which these demand registers had ever been produced. The factory planning and plant construction and general service department employees lent a hand in the emergency and some mighty quick work was done. The Employment Dept. rounded up all the experienced operators they could from those that had been transferred or laid off and many new temporary employees were hired just for this job. The time study men carefully reviewed the whole scheme of assembly and worked out a new arrangement of sub-assemblies which made it much easier for new operators to learn the job. Trained operators were then instructed in the new layout of assembly operations and such operators were used as instructors to train the new help. Throughout the Meter organization such things as vacations were forgotten and whenever it was desirable there was overtime work.

To meet our first delivery the registers completed were sent by special messengers who carried them by train to West Lynn. The West Lynn Works dispatched their first delivery of the completed watthour-demand meters, to the customer by special truck to New York. Although express shipments were required to meet some of the later deliveries our Fort Wayne factory managed to keep the Lynn Works supplied with registers for their production and the promised deliveries to the customer were very closely met.

The most marvelous thing about the way this big order was handled was the speed with which the weekly production rate on demand meter registers was increased here at Fort Wayne. Although 1000 per week was the highest rate at which we had ever produced these registers, our production in this instance was brought up to 6000 per week on the seventh week after production was started. With such unheard-of production it might be supposed that the quality would suffer. To the credit of everyone concerned let it here be recorded that such was not the case. Representatives of the New York Edison Co. tell us that the quality of construction of these registers was even better than that of similar devices they previously had purchased from G. E.

This New York Edison order for demand metering equipment involved a considerable quantity of other types of demand meters manufactured here at Fort Wayne and some of the sections of the Meter Division are still working on this job; although the required rates of production on these other devices was higher than normal and accordingly presented many difficulties to surmount yet it is the type M-14 demand meter register production that will longest be remembered. This was the part of the order that taxed everyone's ingenuity and proved what really may be accomplished by intelligent planning, perfect coöperation and hard work all along the line. Incidentally, this unusual order for our meter products was responsible for a considerable increase in the payroll of the Meter Division, during the past four months which, of course, was especially desirable during the period of depression such as we are passing through.

Let's Take a Look at Health

"HAVE you been in good health, John?"

"Oh, yes. Why, I haven't been to a doctor, or taken a dose of medicine in 20 years."

John's idea of what constitutes health is one which is doubtless shared by a majority of people. Such an idea forces us to accept *freedom from disease* as a satisfactory definition of health. John has had no organic diseases in the past 20 years, which required medical attention; therefore, he has been in good health. This *is* a good record for being free from any incapacitating diseases, but does it measure up to our modern conception of what health should mean?

What, in addition to freedom from disease, should the term "health" include? It is a matter of record that the Greek philosopher Plato, 2000 years ago, advanced that broader conception which we now know is essential to correct living. He observed that a man should be in possession of all the organs that he normally should have, that these organs should function with perfect co-ordination, and that the lower functions should be sub-ordinated to the higher. An analysis of this definition will reveal it to mean a great deal more than the absence of disease. A more recent writer has defined health in different words, but with much the same meaning, as follows: "Health is that *quality* of life which renders the individual fit to live most and to serve best." An acceptance of such a definition at once removes health from the mere physical realm; it includes the mental and social aspects of health; it replaces the idea of "health for health's sake" with that of health for the sake of a higher level of living, greater individual achievement and greater service to society.

This conception of health has not had a wide acceptance in the past. The chief reasons for this are:

1. Lack of knowledge by the public regarding the structure, function and proper maintenance of the human body. This fact has resulted in a great deal of insincere advertising and propaganda for promotion of false health preparations, prescriptions, and methods. The general public has been unable to choose between the good and bad from the great mass of health propaganda that clamors for attention. Only individual knowledge of health matters will correct this situation.

2. Many of us advance the excuse that we do not have the time required to promote good health. The pressure of business and the multitude of daily affairs leaves no time for the pursuit of health.

3. We are always looking for short cuts to health. Since the time of Ponce de Leon, and probably for centuries before, the human race has been looking for the Fountain of Youth. It is difficult to give up this attractive idea for one requiring some measure of personal effort and sacrifice.

The sources of health are neither mysterious nor magical. They are available to rich and poor alike. They are so simple that we too often fail to attach proper importance to them. They include such matters as food and exercise in proper kinds and amounts, fresh air, recreation, care of the body, proper mental attitude, and a knowledge of disease prevention. Our public health officials protect us from many diseases; others can be absolutely prevented by taking advantages of the recent discoveries of medical science. But aside from disease prevention, personal health is to be acquired by individual effort; it can be purchased only by the price of effort and there are no short cuts.

For any individual to attain the best in health, it is essential that he should have a working knowledge of various body functions and of the laws of proper living; that he should know what diseases are preventable; and that he should be fired by that spark of determination which will lead him into the *practice* of those health habits which will eventually mean for him that higher level of living, of personal achievement and of service to society.

We shall attempt, in future discussions, to present the fundamentals of personal hygiene and disease prevention, a knowledge of which is essential to the attainment and maintenance of the best health as we understand it today.

DR. H. W. GARTON

When You Make
Your Christmas List

CONSIDER THE
G-E PRODUCTS

Shown on Pages
4 to 10

A Clean-up May Prevent a Fire

WHEN an accident occurs there is usually a combination of circumstances. People take the same chances they have taken for years, but the scene is all set with the right combination and someone gets hurt.

It's the same way with fires. Carelessness with fires, matches and cigarette butts is listed as the big cause of fires. You may throw away lighted matches and live butts hundreds of times and they will burn out harmlessly. But if you get into such thoughtless habits, you may do it where there is a pile of shavings or oily rags, and the results would be disastrous.

Poor housekeeping sets the scene for a fire. It isn't the material out in plain sight that's most dangerous. It's the accumulations in out of the way corners. Most people have a way of discarding stuff where they think it is out of sight.

No system of factory inspection will find all the danger spots and each man must do his part. The place for flammable rubbish is in the container provided for it—even if it does mean a few steps.

The G-E Club Free Entertainments

THE G-E Club gym was a merry place on the evening of Oct. 24 when the employees of our Works who enjoy dancing assembled with their guests to celebrate Hallowe'en. The gymnasium was decorated with a false ceiling of corn husks, and the relatively few chandeliers used were draped with crepe paper in mandarin color and black. Witches, skeletons, and black cats were used profusely in the room decorations and the members of the orchestra which played from the raised platform at the end of the hall all were in masks. The dancing lasted from 9 o'clock to the witching hour of midnight and the greater part of the dancers stayed to the end.

In the awarding of prizes, Lois Smiley and Milo Schmidt took the honors for the best costumes with their clever makeup as clowns. Hiram Work and Ruth Fuller dressed as fireman and tramp respectively were awarded second prize. Edith Fuller and Helen Fenker dressed as rowdy and colonial dame respectively were adjudged to be the funniest couple and were awarded the pumpkin pies. The first prize couple received two bushels of good apples while those with the next best costumes received two gallons of cider as their awards.

On the evening of Nov. 7 the offering in entertainment at the G-E Club was talking movies. "Cimmarron" was the feature film while as an extra Johnny Farrell was shown in "One Reel of Golf." That the children should not be disappointed there was one of their favorite comedies showing adventures of Mickey Mouse.

On Nov. 21 those who love dancing will again have their inning for such date has been established for a G-E Club Thanksgiving dance. Again there will be prizes but those who will receive them will in this instance be decided by lot. Each one will be given a numbered ticket and winning numbers will call for first a turkey; second, a duck; third, a chicken. The G-E Club Orchestra, of course, will furnish the music and undoubtedly all of the younger folks and the old who still dance will be present.

Dec. 5 is the date for another combined movie and vaudeville entertainment. While the program cannot here be announced, you will certainly wish to be there. There will be two presentations of the program, the first at 7 p.m. and the second at 9 p.m.

November 21 Is the Date!
G-E Club
Thanksgiving Dance

Foremen Hold Monthly Sessions

THE Foremen's Association opened its fall and winter season of activities with a regular monthly meeting on Sept. 16. This meeting as usual opened with a dinner in Bldg. 16-2 served at 5:30 p.m., after which a business meeting was held to decide on certain proposed changes in the Club's constitution and act on other business affairs. At 7:00 p.m. the meeting adjourned and the members re-assembled in the G-E Club gymnasium to see a film featuring the manufacture of Spauldite, loaned for the occasion by the Spaulding Fiber Co. To this meeting in the gynmasium a number of special invitations had been issued and among the guests were representatives of several other industries here in Fort Wayne. As special entertainment for the association members and guests the committee on arrangements had secured Clifford Kirkpatrick well known local magician who with his assistants presented an interesting hour's program of tricks and magic.

The second meeting of the season was held on Oct. 21. At the special dinner on that evening there were approximately 125 members and guests. E. L. Simpson, who had been selected as the speaker of the evening, presented a paper on the subject "Machinery and Tools." To amplify the subject Mr. Simpson had secured for the occasion two educational films. In order to show these properly the group went to the G-E Club Gym. Appreciating the fact that these films would be of interest to many of the apprentices, tool designers, planning men and factory workmen, invitations had been issued and several hundred had assembled in the gymnasium at the hour the pictures were to be shown. Mr. Simpson introduced each of the pictures by a short summary of certain points he had covered in his address before the foremen, and this open part of the meeting was highly appreciated by all who were there.

The first film to be shown was "Something New Under the Sun" —a General Electric film which covered the composition and manufacture of "Carboloy," otherwise known as tungsten-carbide, and visualized the remarkable results in substituting this material for high-speed steels as a cutting tool on many different machine operations.

The next and last film on the program showed the marvelous application of automatic machinery in the Automatic Frame Plant at Milwaukee of the A. O. Smith Corporation, where automobile frames are made.

It was planned to have a Goodyear Rubber Company's film showing the Akron, but due to an error in schedules this film was not received.

The November meeting of the Association is to be held one week later than regular schedule so that it may be the more timely as a Thanksgiving celebration. The meeting accordingly will occur on Wednesday evening, Nov. 25, and a turkey dinner will be served. A special program of entertainment is also being arranged and it is expected that there will be 100 per cent attendance of the members of the club.

Suggestion Awards

WAYNE C. WATT, for many years employed in the Receiving Dept., Bldg. 6, Broadway Plant, now working at Winter Street, offered some months ago a suggestion that shipping cases be used for spools of wire coming to us from Schenectady and that these be constructed with bottom supports so that electric lift trucks could be run under them and thus facilitate the handling of the wire at both factories concerned. There were some special features in the packing case suggested by Mr. Watt which were not used; however, the main features of his suggestion were adopted and Mr. Watt has been granted $350 award.

Carl Rehling, Bldg. 20-2, who has contact in connection with his work with the maintenance of brazing furnaces suggested a change be made in the kind of thermocouple wells used on our furnaces. Although the thermocouple wells of the material he suggested have a higher first cost than those previously used, the longer life of the new wells and other advantages accruing from their use has produced savings and Mr. Rehling has been presented $200 in award.

Arthur C. Hume, of the Refrigeration Division and working in Bldg. 27 of the Broadway plant, presented a plan for saving considerable sand-blasting machine time in the process of reclaiming refrigerator box tops, although an additional process is injected in the reclaiming operations the gross cost of reclaiming by Mr. Hume's method is therefore reduced and he accordingly has been granted $175 in award.

R. C. Warnecke, Winter Street Plant, suggested improvement in the design of heat exchangers for refrigerators which now have been adopted and Mr. Warnecke is the recipient of $100 in award.

On a review of an adopted suggestion from O. W. Cartwright of Bldg. 20-1 Mr. Cartwright has been presented $25 additional award. His suggestion referred to water flow on the electrodes of line welders used in Bldg. 27 and as the advantages of his suggestion



Wayne C. Watt



Carl Rehling

were not fully appreciated on the first consideration of it he received only $5 in the original award.

Claude Roser at Winter Street suggested changes in the routines of tool and gauge inspection at Winter Street and recently has been granted $25 in award.

Other awards granted on suggestions since our last published report are as follows:

Clarence C. Gardt . . . Bldg. 12-1 $12.50
Changes to certain mica cone molds used in the Wire and Insulation Division. (This award is additional to a previous award of $10.)

Don R. Brighton . . . . . Winter St. 7.50
Improvements to DR-5 plunger broaching die.

Bayless Swift . . . . . Bldg. 12-B 5
Providing crane for use at paper tester in Bldg. 12-B.

Fred B. Parker . . . . . Winter St. 12.50
Improved method of cutting non-oxidized cloth.

William Rohe . . . . . Bldg. 8-1 5
Changes in the method of packing cable.

Charles. A. Swanson . . . Bldg. 4-2 5
Providing stripper for die 3513681.

Claude F. Daniels . . . . Bldg. 20-1 5
Improvements to control switches at P and J's.

William H. Mills . . . . . Winter St. 5
Improvements at conveyor gate at Winter Street plant.

Jay Michael . . . . . Bldg. 4-4 5
Supplying special dog for certain grinding operations.

Wavelene Shuler . . . . . Bldg. 26-3 $5
Improvements to lead cutter in Bldg. 26-3.

Bayless Swift . . . . . Bldg. 12-B 5
Improvements to certain stock racks in Bldg. 12-B.

H. Doehring . . . . . Bldg. 17-1 15
Improved reamer for reaming commutators in Bldg. 17-1.

Florence Robinson . . . Bldg. 26-2 15
Changes to tops for certain transformers. (This award is additional to a previous award of $7.50.)

Gaylord H. Evans . . . . Bldg. 26-2 7.50
Providing protection for terminal board of certain transformers in treatment.

Harvey Kreamer . . . . . Winter St. 20
Furnishing gauge with indicator for setting boring tools. (This award is additional to a previous award of $5.)

Freman White . . . . . Bldg. 4-4 5
Improvement to equipment for blowing out and cleaning flanges and cases in Bldg. 4-4.

Nora C. Coburn . . . . . Bldg. 26-2 5
Changes to prevent burns to operator at lead welding operation in Bldg. 26-2.

Merle Morkoetter . . . Bldg. 26-B 5
Improvements at punch presses in Bldg. 26-B.

Willard Smith . . . . . Bldg. 4-4 5
Improvements to knurling fixture in Bldg. 4-4.

Lawrence Rupert . . . . Winter St. 5
Installation of safety device at conveyor, Bldg. 2, Winter Street plant.

Lawrence Rupert . . . . Winter St. 5
Changes to pipes at pressure cooler at Winter Street plant.

Carl L. Miles . . . . . Bldg. 26-1 10
Improvements to lead strippers used in the Transformer Division.

Lawson Zent . . . . . Bldg. 26-2 5
Installation of guard at buffing wheel in Bldg. 26-2.

Arthur E. Duhamell . . Bldg. 26-1 5
Installation of certain test line in Bldg. 26-1.



R. C. Warnecke



Arthur C. Hume



Harvey Kreamer



O. W. Cartwright

Aubrey Lash . . . . . Winter St. $15
Changes in the method of holding brackets on capacitors used on DP-3's.

J. K. Marquardt. . . . . Winter St. 5
Installation of additional potential test at test rack in Bldg. 2, Winter Street plant.

L. A. Didier . . . . . Bldg. 18-4 5
Rearranging water cooler in Bldg. 17-4.

W. B. Noll . . . . . Bldg. 16-3 5
Changes to conveyor in Bldg. 6-3.

Emma Reiling . . . . . Bldg. 17-4 5
Installation of guards on winding machines in Bldg. 17-4.

Golda Mentzer. . . . . Bldg. 26-3 5
Improvements to control mechanism at machine 5162 in Bldg. 26-3.

Robert Smith. . . . . Bldg. 4-3 5
Installation of guard on chute at conveyor in Bldg. 4-3.

Basil J. Pearson . . . . . Winter St. 5
Installation of stops on U-turn of conveyor at Winter Street plant.

Fred M. Gerke . . . . . Winter St. 5
Changes in the method of finishing tube drawing V-3507605.

Russell G. Gibson . . . . Bldg. 17-1 5
Changes in the method of machining radius on gear case cover.

Arnold Wuebbenhorst. Bldg. 20-1 5
Installation of screen over drains at hydraulic presses at Winter Street plant.

Dan Bishop . . . . . Bldg. 18-B 5
Changes to shop order closing report.

Jasper L. Smith and Peter Joseph Alt. . . . . Winter St. 5
Installation of guard at automatic welders in Bldg. 1-2, Winter Street plant.

William J. Kruse. . . . . Bldg. 20-1 5
Changes to control buttons on P. and J's in the Fractional Horsepower Motor Division

William. McClish. . . . Bldg. 19-1 5
Providing portable tapping motor for Assembly Section, Bldg. 19-1.

L. Buckmaster. . . . . Bldg. 12-1 5
Supplying special tool for notching spools in circle saw.

Hersel Nash and Roe Funderberg. . . . . Bldg. 20-2 15
Use of record card in Standardizing Section, Bldg. 20-2.

Roy B. Meeks . . . . . Winter St. 5
Rearranging exhaust pipe and providing guard at hydrogen burner at Winter Street plant.

Lawrence L. Bergevin. . Bldg. 4-1 5
Changes in the method of securing lead cables on certain coils in the Fractional Horsepower Motor Division.

Louis C. Brunner. . . . . Bldg. 26-1 $ 5
Improvements to cleaning equipment in Ignition and Luminous Tube Section, Bldg. 26-1.

Emily Nierman . . . . . Bldg. 4-4 5
Omit certain tubing on main winding for model 4289729-1 in Bldg. 4-4.

Joe Middendorf. . . . . Bldg. 4-1 5
Providing guard at machine 18828 in Bldg. 4-1.

Jack Schemehorn. . . . . Bldg. 26-2 5
Improvement in the method of winding certain coils in Bldg. 26-2.

Esther Irene Faus. . . . Bldg. 12-1 5
Supplying guard at certain hot plates in Bldg. 12-1.

Arthur E. Duhamell. . Bldg. 26-1 5
Improvements to portable grinder, Bldg. 26-1.

Gilbert B. Harvey. . . . Winter St. 5
Providing shelving at conveyor in Reconditioning Section at Winter Street plant.

Louis J. Hinne. . . . . Bldg. 4-1 5
Providing a more desirable storage space for varnish in Bldg. 4-1.

Freeda Mee . . . . . Bldg. 4-3 5
Providing special tool for taping operations in Bldg. 4-3.

Floyd Chilcote. . . . . Bldg. 26-1 5
Changes at Transformer test in Bldg. 26-1.

David J. Spradling. . . Winter St. 5
Changes to the position of capacitor boxes on DP-3 pressure coolers.

Cedric J. Reed. . . . . Bldg. 26-1 5
Improvements at heat run in Bldg. 26-1.

Edward H. Schmitt . . Winter St. 5
Improvements at honing machine at Winter Street plant.

Eldon L. Braden . . . . . Bldg. 26-2 5
Use of double tension rack at certain winding machines in Bldg. 26-2.

L. P. Goehler. . . . . Winter St. 5
Improvements to grinder at Winter Street plant.

A Suggestion Turned In NOW Might Help to Make Your Christmas Merrier

Erma E. Johns. . . . . Bldg. 26-2 $ 5
Providing larger containers for leads in Bldg. 26-2.

Velva M. Waterson. . . Bldg. 26-2 5
Providing containers for wrappers in Bldg. 26-2.

Henry A. Doehring. . . Bldg. 17-1 5
Providing special tools for use in assembling certain commutators in the Fractional Horsepower Motor Division. (This award is additional to a previous award of $7.50.)

Rosella Inninger . . . . . Decatur 5
Improvements at oil linen machine.

Harvey D. Fisher . . . . Bldg. 26-1 5
Improvements to soldering rack in Bldg. 26-1.

Lloyd Ernst . . . . . Bldg. 4-2 5
Furnishing steel hooks for rotor assemblers.

A. Hyser. . . . . Bldg. 20-1 5
Relocating power cabinet in Bldg. 4-5.

James Woodward . . . . . Bldg. 4-2 5
Providing glass shield at grinder 16791 in Bldg. 4-2.

W. J. Birk . . . . . Bldg. 21 5
Covering certain steam pipes in paint room at Winter Street plant.

Vernon R. Robinson. . . . Bldg. 21 5
Improvements concerning clerical routine in Reconditioning Section.

Lewis Hutchinson. . . . Winter St. 5
Furnishing additional test lines in Reconditioning Section.

Ada M. Mix. . . . . Winter St. 5
Improvements at bearing plate burring machine.

Ernest Close . . . . . Bldg. 4-3 5
Installation of protection shield in spray booth, Bldg. 4-3.

E. Girardot . . . . . Winter St. 5
Installation of screens in certain drain lines at Test, Winter Street plant.

Ira Runyan . . . . . Winter St. 5
Improvements at ammonia pump, Winter Street plant.

Roy Hosler . . . . . Winter St. 12.50
Heat treatment for blast nozzles.

J. J. Hartman . . . . . Bldg. 26-5 15
Installation of safety devices for dies on punch presses in Bldg. 27.

William. C. Kempf . . Winter St. 5
Providing guard at buffer at Winter Street plant.

Harry A. Kaffenberger. Bldg. 4-2 5
Buying soldering flux in drums instead of one-gallon lots.

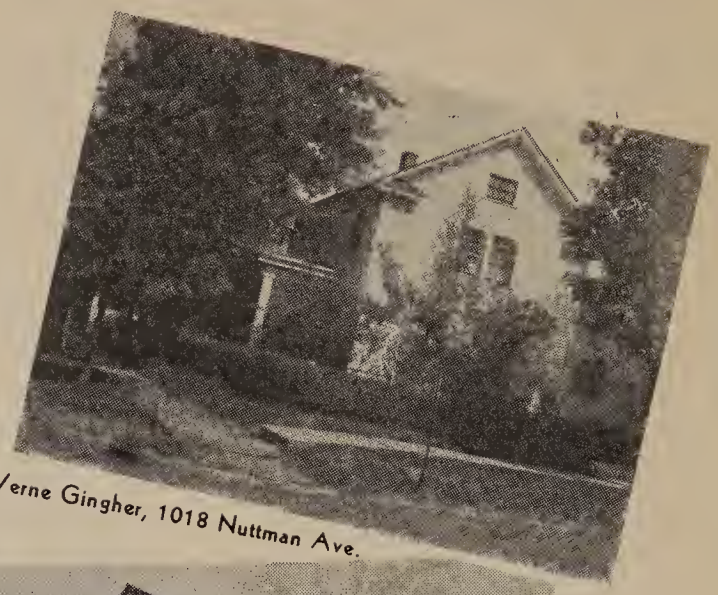
Harold Stirlen . . . . . Bldg. 20-2 5
Providing hand truck for air and gas tanks used by welders.

Erma E. Johns. . . . . Bldg. 26-2 5
Providing equipment for handling soldering flux in Bldg. 26-2.

Employees' Homes Secured Through G-E Housing Plan



Leo Kuttner, 4338 Drury Lane



Verne Gingher, 1018 Nuttman Ave.



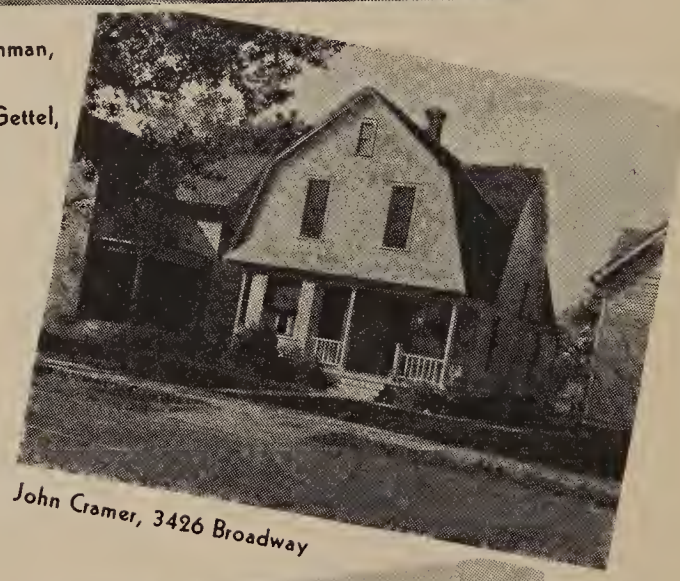


Left above: Frank Brohman, 3924 Barr St.

Right above: George Gettel, 3912 Barr St.



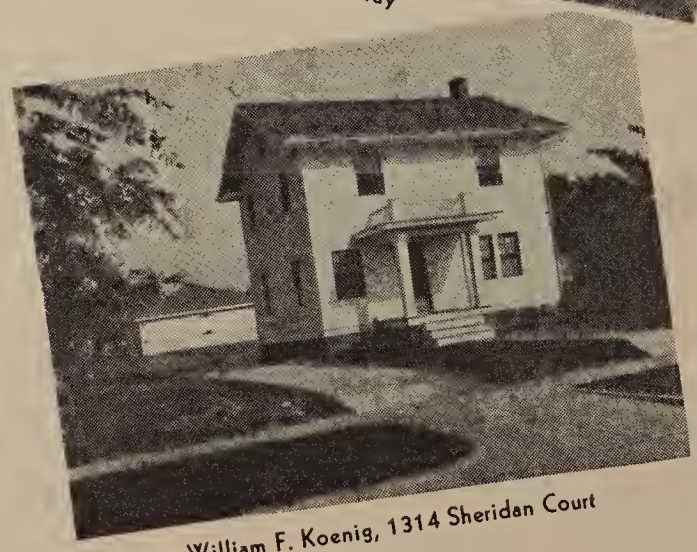
Dee Hamilton, 1014 Nuttman Ave.



John Cramer, 3426 Broadway



Oscar Schmidt, 2926 Fox Ave.



William F. Koenig, 1314 Sheridan Court



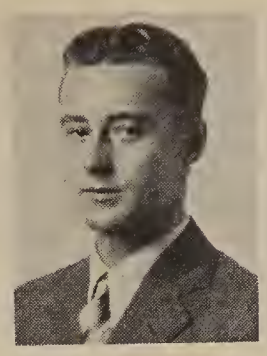
Lawrence Painter



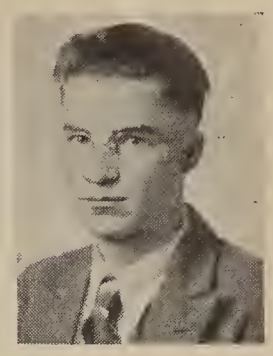
Alvin Lewis



Robert Kallmeyer



Carl Mosser



Charles Crain

Eleven Apprentices Receive Diplomas

THE graduations from the Apprentice School since the last published report total 11 in number of which seven are machinist-toolmakers and the other four draftsmen.

Elmer Hazelett, a Fort Wayne boy who played on the Apprentice softball team for the last two years, finished his course as a machinist-toolmaker apprentice on Sept. 25 and is now working in the Refrigeration Division in Bldg. 27.

Carl Kloepper, who also comes from our city, completed his four years' apprenticeship as a machinist-toolmaker on Oct. 2 and is now working on special assignments in the Apprentice Dept.

Kenneth Ervin, who graduated from the Roanoke High School in 1928 completed the machinist-toolmaker course Oct. 2 and is now working on special assignments in the Apprentice Dept.

Walter Stoppenhagen, another member of the Apprentice softball team for the past two years, received his diploma as a machinist-toolmaker on Oct. 9 and is now working for Foreman Ray Renfrew in Bldg. 17-4.

Alvin Lewis, a graduate of the Bridgeport, Illinois High School, completed his course as a draftsman apprentice on Oct. 9, and is now employed in the Fractional Horsepower Motor Drafting Section, Bldg. 4-6.

Robert Kallmeyer, a graduate of Central Catholic High School here, completed his apprentice course in drafting Oct. 9 and is now working for Mr. Mettler in the Refrigeration Division at Winter St.



Dale Steward



Walter Stoppenhagen

Walter Hahn, also a draftsman apprentice, received his diploma Oct. 9. He had come to Fort Wayne Works from Henry County, Ohio, where he graduated from high school in 1928. At present he is working in the Meter Testing Dept. Bldg. 19-4.

Charles Crain, a graduate of the high school at Pleasant Lake, received his diploma as a machinist-toolmaker on Oct. 12 and is now working in the Fractional Horsepower Motor Division, Bldg. 4-2.

Carl Mosser, a graduate of Hartford Center high school in Adams County, completed his apprenticeship as a machinist-toolmaker Oct. 16 and is now working in the Refrigeration Division under Mr. Rockhill at Winter Street Plant.

Dale Steward, a graduate of Fort Wayne Central high school, received his diploma as a machinist-toolmaker Oct. 16 and is working in the Fractional Horsepower Motor Division, Bldg. 4-2.

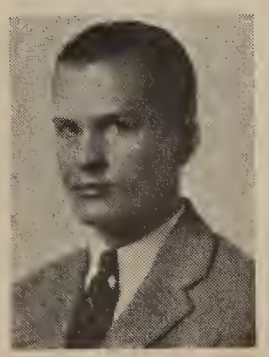
Lawrence Painter, a graduate of the Jackson Center High School, completed his apprentice course here in drafting Oct. 24 and is now working in the Refrigeration Machine Production Dept. at Winter Street Plant.



Walter Hahn



Carl Kloepper



Kenneth Ervin



Elmer Hazelett

Are You Guilty?

FREQUENTLY packages or crates are opened near permanently placed ladders or those being used temporarily, and the débris is not removed. Sometimes pieces of boards with nails still protruding from them are left lying around. In other cases loose material has been piled near ladders.

Not only is this very poor housekeeping, but it is a hazard to the workman using the ladder, particularly when descending. Probably when he climbed up the ladder the base was clear and he is not prepared for the mass of material when he descends.

We hope you have not been guilty of this poor practice, but if you have, we believe that in the future you will not allow your carelessness to threaten the health and life of one of your fellow workmen.



George Reiff



Louis Steup

Two Join Quarter Century Club

DURING October two employees of our Fort Wayne Works completed 25 years of continuous service and thereby qualified in this regard for membership in the G-E Quarter Century Club.

George Reiff, one of those men, completed his 25 years of continuous service on Oct. 5. His first assignment to duty was as a helper in the foundry which, at that time, was in its original location in one of the buildings east of Broadway. After the new foundry building, Bldg. 20, was erected in 1907 Mr. Reiff moved with the other members of the foundry force to that site and there in the years which followed he served as a tender on the furnaces starting on the coke fired furnaces and later working on the newer furnaces which were fired with oil and gas. Although foundry work has been discontinued Mr. Reiff still has furnace work to do, as he now serves at the furnace in Bldg. 27 in which the pressed metal shells for the G-E refrigerators are annealed. During his long period of service Mr. Reiff recalls only one extensive absence and that was about 1907 when for a number of weeks he was laid off because of lack of work.

Louis Steup, of the Meter Division, the other local employee to qualify for Quarter Century Club membership during October, never worked here on anything other than Meter Dept. products, and had he not broken his service, Mr. Steup might now be credited with something like 32 years as a General Electric employee. It was about 1899, Mr. Steup tells us, that he first came to our Broadway Plant and did certain bench and drill press work on the early Type K watthour meters. After about one year, however, Mr. Steup left and went to the Western Gas. Later he returned to our Fort Wayne Works and worked in the Meter Dept., this time a meter assembler. Because of an extended lay-off for lack of work he again turned in his tools and worked for a time in the Pennsylvania Shops.

On Oct. 29, 1906, he again returned to the G-E Company as a meter assembler, his service being continuous from that date. For the greater part of his employment here Mr. Steup has served as a meter assembler. However, for a few months in 1921 he was on rate-setting work. After this he served for a time as a meter inspector and from 1922 to 1929 worked in the office under Mr. Persing on rate-setting work. After the transfer of watthour meter manufacture to West Lynn, Mr. Steup again took up assembly work and is now employed on demand meter assembly in Bldg. 19-5. Miss Lillian Steup, his daughter, is employed in Bldg. 4-5.

G-E Squares Elect New Officers

AT THE eighth annual banquet of the G-E Squares held in the dining room of the Works restaurant on Oct. 13, new officers were elected to serve during the ensuing six months. These new officers are: M. L. Schmidt, president; M. W. Edgar, vice president; and S. L. Moore, secretary-treasurer, who was re-elected for a second term. The retiring officers are A. F. Vinson, who was president and J. J. Butler, vice president. These new officers are, incidentally, all employed in the Fractional Horsepower Motor Engineering Dept.

The banquet was attended by 54, including the guests, among whom were the following new student engineers: T. A. TeGrotenhuis of Case School of Applied Science, K. C. Nygaard of North Dakota Univ., J. C. Crookham of Iowa Univ., R. H. Stearns of Duke Univ., and H. F. Cummings of Colorado Univ.

After the excellent dinner had been served President Vinson called on the chairmen of the club's various committees for short verbal reports on the past season's activities. In preparation for the election he then asked each of the candidates for office to stand and introduce himself and the ballots were then distributed to the voting members present. The ballots which had been prepared carried in addition to the list of candidates for the club's offices several proposed amendments to the constitution and the names of A. F. Welch and W. J. Hockett who had been proposed for honorary membership in the club. Messrs. Welch and Hockett both were unanimously elected to honorary membership in the Squares and each one of the proposed constitutional amendments was adopted.

After the completion of business matters and the ceremonies incidental to the introduction of the new officers, R. D. Jones, who acted as toastmaster, introduced E. J. Gallmeyer, postmaster of Fort Wayne, who addressed the assembly on the subject "Business Today." In his address Mr. Gallmeyer stated it as his belief that the turn towards better business conditions had come and that the winter ahead would not be nearly so bad as many people feared. As a basis for this opinion he cited the fact that postal receipts had increased appreciably during the past 60 days and that in former depressions such indications had proven highly reliable as a barometer of business revival. He cited, moreover, the fact that our country had suffered no great catastrophe, our government was stable and our people possessed of all the mental acumen and initiative that had produced our former periods of prosperity. The factor of fear he thought was the only thing that kept business conditions at the present low ebb.

At the close of Mr. Gallmeyer's address the meeting adjourned to the south dining room where social games at cards were introduced for the final entertainment of the evening.

G-E Apprentice Alumni

THE Apprentice Alumni held their annual fall banquet and election of officers at the Catholic Community Center on the evening of Oct. 19 with 130 members in attendance. Music was furnished during the serving of the dinner by the Rocket Club orchestra and special entertainment by Edna Hodell and Connie Beaver; Mauri Neuman and the Three Students and dancers from the Stage Door Studio made the occasion a most pleasant one for all who were there. Clarence McNabb, judge of the Allen County Circuit Court, was present as an invited guest and in a very interesting after-dinner talk told the alumni of many of the problems of modern youth as reflected in the juvenile cases coming before the court.

The election of officers held during the course of the evening resulted in the following selections: for president, Ralph Dennison, Bldg. 18-4; for vice president, Milton Kline, Bldg. 4-6; for recording secretary, George Auer, Bldg. 4-6; for financial secretary, Raymond Kierspe, Bldg. 18-4; for treasurer, Bernard Gausepohl, Bldg. 12-2; for Board of Directors, James Jennings, Bldg. 17-3, Herman Brown, Bldg. 4-6, Harold Koehlinger, Bldg. 4-6, Charles McAfee, Bldg. 17-4 and Ivan Rinehardt, Bldg. 18-4.

The retiring officers are James Jennings, president; Paul Weitzman, vice president; Milton Kline, financial secretary; Herman Braun, recording secretary; and John Lare, treasurer.

The series of monthly educational programs instituted last winter to acquaint the members of the association with the work and duties of apprentice graduates working in various departments of our Fort Wayne Works were carried on throughout the summer months with gratifying attendance. The subject for the October meeting, "Tool Design," was presented by Ralph Dennison, J. C. Miles and Raymond Kierspe all of whom are employed in the design section of the Tool Division, Bldg. 18-4.

The next meeting in the series is scheduled for Nov. 30 at which "Tool and Die Design and Manufacture" will be discussed by Clarence Brenner, Bldg. 18-4. The committee which arranged and has charge of this series consists of C. F. Roembke, chairman; Virgin Asher, Delbert Roloff and Ordean Kiltie. The meetings are held in Bldg. 16-2 starting at 8 p.m.

Ticklers

In Style

Mary had a little skirt,
The latest style no doubt,
But when she gets inside the skirt,
She's more than half way out.

* * *

ASK ANY TRAVELING SALESMAN

"Waitress, do you stuff olives here?"
"No, I don't, but I fill dates."

—*Sniper*

* * *

During the American Legion Convention an elderly lady, alarmed at the antics of the Legionnaires, rushed up to a policeman, saying: "Can't you stop them, officer?"

"Lady," responded the cop sadly, "there's an old man in Europe who tried to do that, and now he's sawing wood in Holland."

—*Exchange*

* * *

Slim street-car passenger: "It's rotten to have to wait for a seat, ain't it?"

Fat passenger: "You're lucky, I gotta wait for two."

—*Stanley Journal*

* * *

Golfer (to members ahead): "Pardon, but would you mind if I played through? I've just heard that my wife has been taken seriously ill."

—*Dublin Opinion*

* * *

Whoozis—"What do you think of my ten dollar and a half hat?"

Whatzis—"How come?"

Whoozis—"Seven-fifty for the Community Chest feather in it and three dollars for the hat."

Winter Street Plant News

Product School

REPRESENTATIVES of all the distributors of General Electric Refrigerators are now being instructed on points pertaining to the maintenance and installation of our Refrigeration Division products and for such instruction these distributors' representatives are coming in groups to our factory here in Fort Wayne. The first group to arrive was here during October and such meetings were to continue during the next several weeks. Members of the Electric Refrigeration Dept. at Cleveland have charge of these conferences. All of the distributor representatives who have visited us have been enthusiastic about our products and the prospects for good business in such lines.

Sports

Employees of the Refrigeration Division are going in for sports in a big way this season and have entered teams in both basketball and volleyball in the inter-department leagues. In bowling, a Refrigerator 12-team league occupies the G-E Club alleys on Wednesday nights and the reports on all these activities will be carried regularly in the Athletic Section of the WORKS NEWS. The bowling league officers are as follows: president of the League, John Schwartz; secretary of the League, E. G. Bunting; organizer, Milton Bryan. The respective team captains are: Inspectors No. 1, Joe Burton; Inspectors No. 2, Albert Adams; Cost, Milton Bryan; Developmental, Wayne Cook; Fire Dept., John Schwartz; Planning, Edward Ehrman; Tool Room, Earl Yoder; Production, Gordon Smith; Assemblers, Victor Cartwright; Enamelers, John Herney; Automatics, Arthur Wedler; Grinders, Fred Buhr.

Personal Mention

Dale Wilson of our Planning Section was elected president of the Iowa State Alumni Association at their October meeting.

Mrs. Mary Golden has elected to pursue her household duties as full time wife and Eloise Crebill is her successor at the typewriter.

Vern Gingher, who recently was elected Commander, American Legion Post No. 47, is back on the job after being down but not out with an attack of "flu."

James Butler of our Engineering Dept. is attending the National Dairy Show in Atlantic City.

Lorena Fann of our Production Dept. was absent temporarily on account of the death of her mother which occurred on Oct. 24.

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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F. J. Goetz.....Distribution

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Herschel L. Smith.....Safety
Dr. H. W. Garton.....Health Column
Mabel Liggett.Girls' Section and Juniors' Page

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Robert White.....Decatur Plant
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James Hartzell.....Apprentice Alumni
J. J. Butler.....G-E Squares
I. H. Freeman.....Foremen's Club
Harry Zimmerman.....Volunteer Firemen
John L. Verweire.....Band
J. E. Hall.....Quarter Century Club

Vol. 15 November 20, 1931 No. 11

What's th' Rush?

AS WE pause by the roadside, cars whiz by like gusts of wind. We wonder that smash-ups are not even more common than they are as we watch these powerful cars pass and repass each other at such tremendous rates of speed. What *is* the rush? Are these drivers hurrying somewhere to save a life or to do anything else which warrants such fast driving? It is a safe bet that not one of them has a good reason for driving over 45 miles per hour. If you are a fast driver, try to remember just one instance when your fast driving was absolutely necessary. That "one instance" no doubt will be as hard to find as a needle in a hay stack.

Even if you don't value your own life, consider the rights of other people in trying to safeguard their lives, and drive slowly.

After all, in the course of a lifetime, who is going to go the most places and get the greater enjoyment out of going—the speeder who nervously rushes ahead and then has a smash-up or the careful driver who calmly takes his time and gets there? Take your lesson from the old, old story of the tortoise and the hare!

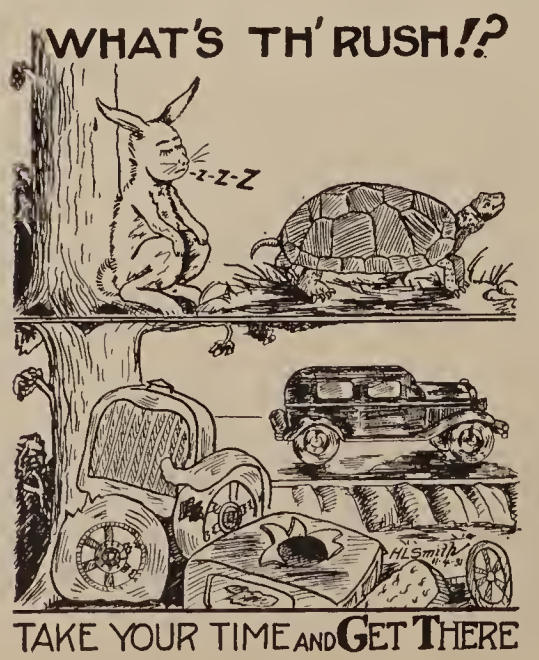
Educational Activities

A SUMMARY recently made shows that not less than 287 local General Electric employees are now using part of their leisure time in pursuing some organized form of educational work. And this total does not include students enrolled for apprenticeship training or those who are pursuing the special courses of study provided for the student engineers.

The G-E Night School fall term enrollment totals 124. Twelve was the minimum acceptable in order that a class in any subject might be formed and now in the second month of the class schedule there is only one case in the nine separate classes in which the paid attendance has fallen below that amount.

Besides the regular G-E Night School classes there are three special classes studying "The Principles of Foremanship" in which a total of 62 are enrolled; two classes in Factory Management with a total of 33 enrolled; and one class in Personal Efficiency in which the enrollment is 18.

The Indiana University Extension Center records show that 34 G-E employees are enrolled for University Extension classes and one of the larger correspondence schools advises us that 16 General Electric employees have subscribed for their training. Undoubtedly there are others in our Fort Wayne Works organization who are engaged in educational lines of endeavor of which our Personnel Dept., has no record whatsoever.



This known number, however, is believed to be a very good showing under present economic conditions and indicates no little determination on the parts of these many employees to equip themselves better for the work they have in hand.

Don't Try This

IN ORDER to extinguish a fire, one of our men poured a cold liquid into a can of hot compound. There was a splash and flare of flames which resulted in a burned face. Never under any circumstances place something slightly moist, wet or cold into anything which is in a molten state or you will cause a splash. Heat the surface and dry it before placing metal in a tinning pot and before pouring solder or compound. In your own homes, when cold water is poured into the frying pan you have seen the accompanying splash of hot fat and water.

Absent Employees

Herman Doell, Apparatus Dept., who is ill, is now a patient at the Methodist Hospital. Alton Bauman and Frank Thieme of the Refrigeration Division are patients at the St. Joseph Hospital, recovering from recent operations. John McCreary of the same Division and Frank Schmidt of the Apparatus Division are patients at the Lutheran Hospital where they were operated on recently.

Karl Bezner of the Fractional Horsepower Motor Division is a patient at the Linvill Hospital, Columbia City, where he is confined by serious injuries received in a motorcycle accident.

Loveina Bunnell of the Fractional Horsepower Motor Dept. is away from work on account of injuries received in an automobile accident.

Bertha Droege and Jesse Devaux both of the Fractional Horsepower Motor Dept., and Dorothy Bruner of the Radio Section are now at their respective homes recovering from recent operations.

Mildred Shoemaker and Willy Rosch, both employed in Bldg. 17-2, are confined to their homes on account of illness. Mabel Fast, employed in the Fractional Horsepower Motor Dept., and Fred Combes, of the Refrigeration Dept., also are sick and off duty.

Otillie Hedges of the Meter Dept., who is in ill health, plans to enter the Irene Byron Sanitarium soon for treatments.

Plan to Prevent Further Lay-offs for Lack of Work During Winter Accepted by Large Majority

Proposal Made Last Month by President Gerard Swope and Chairman Owen D. Young Went into Effect on Nov. 1

THE plan to prevent further layoffs for lack of work during the coming winter, proposed last month by President Gerard Swope and Chairman Owen D. Young, and printed in the last issue of the WORKS NEWS, was accepted by a sweeping majority. Of the almost 90 per cent of eligible employees who cast ballots, 97 per cent favored the plan.

The total number of eligibles is slightly more than 39,000. These are employees who are members of the original and basic unemployment pension plan adopted Aug. 1, 1930.

President Swope's letter to the employees announcing the acceptance of the plan is as follows:

Since Dec. 1, 1930, all employees of the Company whose earnings have been 50 per cent or more of normal, have contributed 1 per cent of their earnings to an unemployment emergency fund. The Company has contributed an amount equal to the sum of such employee contributions. These funds have so far met the demands made upon them, more than $1,000,000 having been distributed in benefits, which have kept many of our fellow employees from want and distress and from being a burden on the community.

We realize the anxiety in the minds of hourly and piecework employees in the Apparatus Works and to relieve this, at least in part, and to make the work of the Company more effective, a temporary modification of the previous plan has been proposed and adopted.

It is hoped that with the continuance of the rate at which orders are now coming in and by the rotation of available work, the employees on the payroll at Nov. 1 will be assured of receiving not less than one-half of their average weekly earnings for full time until April 30, 1932, but in no case more than an average of $15, unless, of course, actual earnings are more, in which case the employees will receive the actual earnings.

The plan has been considered by the workmen in the factories and by department heads of all branches of the Company, and the general expression of all has been that they would like to feel that they were doing their part in removing this anxiety from the minds of their fellow employees, thus further tending to strengthen the solidarity and unity of our entire organization.

Collections from all employees whose earnings are 50 per cent or more of normal will be increased from the present 1 per cent to 2 per cent of their current earnings for November and until further notice. The Company will contribute an amount equal to the sum of such employee contributions.

The plan has been approved in principle by the Board of Directors and, if these provisions are inadequate, the Board will be asked to authorize additional payments by the Company, without increasing employee contributions thereto.

The plan in detail is posted and copies may be secured by any employee.

GERARD SWOPE,
President.

Orders Received, Sales Billed

ORDERS received by the General Electric Company for the first nine months of 1931 amounted to $202,700,016, compared with $267,651,832 for the corresponding period last year, Gerard Swope, president of the Company, announced.

Sales billed for the nine months of 1931 amounted to $206,138,967.01, compared with $287,886,541.05 for the corresponding period last year.

Profit available for dividends on common stock for the first nine months of 1931 was $30,753,850.14, compared with $42,518,708.56 for the first nine months last year.

The profit available for common stock for the nine months is equivalent to $1.07 per share in 1931 and $1.47 per share in 1930 on 28,845,927 shares outstanding in both periods. The quarterly dividend is 40 cents a share.

Comparative statement of sales and earnings for the nine months follows:

	1931	1930
Net sales billed	$ 206,138,967.01	$ 287,886,541.05
Less: Cost of sales billed, including operating, maintenance and depreciation charges, reserves and provision for all taxes	183,015,401.77	254,760,876.87
Net income from sales	$ 23,123,565,24	$ 33,125,664.18
Other income, less interest paid and sundry charges	9,561,535.50	11,324,254.18
Profit available for dividends	$ 32,685,100.74	$ 44,449,918.36
Less: Cash dividends on special stock	1,931,250.60	1,931,209.80
Profit available for dividends on common stock (28,845,927 36/100 shares issued)	$ 30,753,850.14	$ 42,518,708.56

Thomas Alva Edison—1847-1931

Passing of Famous Inventor Recalls His Former Connection With General Electric

WHEN Thomas A. Edison died on Oct. 18, the entire world paid tribute to his inventive genius, and gratefully acknowledged its indebtedness. Edison was not a scientist; he was concerned with application of the fundamental discoveries in electricity made long before his time, to apply them for the advancement of mankind. And it was his outstanding work, the development of a practical incandescent lamp and the development of a complete system for the generation and distribution of electricity, which has given us the benefits of modern lighting, and in no small way has been responsible for the tremendous growth of the electrical industry in general.

General Electric has always been proud of Edison's association with it, and there are still those in the G-E organization, or who have retired from active work in it during the past few years, whose proudest boast of the kind is that they worked with him.

It was in 1886 that the Edison Machine Works was transferred from New York to Schenectady, where the shops built by the late Walter McQueen for a locomotive plant, but which had never been used for that purpose, had been acquired. These shops are now Bldg. 10 and a part of Bldg. 12 at our Schenectady Works. Three years later the Electric Tube Company, another Edison concern, which manufactured piping used for underground conductors was established here. Then the business of Bergmann and Company, manufacturers of sockets and chandeliers, was acquired and the equipment taken to Schenectady. The board of directors was then increased, and the Edison General Electric Company was organized.

Mr. Edison visited Schenectady from time to time—not frequently, it is said. One account of those days says:

"When he did arrive, he stopped at the Givens House, now the Edison Hotel.

"Edison arrived dressed in unimpressive clothing. Stories are still told of watchmen who refused to let him through the gates, then nearly lost their jobs when foremen learned of it. His work in the local laboratories lasted for 48, 60, and 70 hours. Those who stood the grind with him were greeted as friends. Everyone knocked off at midnight for a heavy meal, the telling of tall tales, and often impromptu musicals."

In 1892 the Thomson-Houston Electric Company and the Edison General Electric Company were merged as the present General Electric Company of which Mr. Edison was made a director.

Charles L. Clarke, one of Edison's laboratory assistants at Menlo Park in 1880, later first chief engineer of the Edison Electric Light Company, and one of the oldest employees of General Electric in point of years of service, and E. J. Berggren, a former G-E man, who was Edison's office boy 50 years ago and who later was secretary and treasurer of the Edison industries at West Orange, attended the funeral at West Orange.

The New Christmas Seal for 1931

A SPECIAL design picturing the holiday festivity of "the good old days" was selected for the Christmas seal of 1931 to commemorate the 25th anniversary of the sale of seals to fight tuberculosis.

During the quarter century of work which the new seal commemorates, the ravages of the disease have been cut in half; more than 500 sanatoria have been constructed; clinics have been established for early diagnosis; the tuberculin test and x-ray have been perfected for the more certain detection of tuberculosis even before it exhibits outward symptoms; and the methods of educating the general public to protect itself against the disease through knowledge, have been raised to a high point of effectiveness.

But a great deal remains to be done. Despite the success of past efforts, tuberculosis is still a greater public enemy than most people realize. It is the leading cause of death between the ages of 15 and 45.



Money is needed wherever seals are sold to finance the battle against the disease. The payments which tuberculosis exacts from humanity are subject to no moratorium because of dull times. Children must be protected from tuberculosis; new and unknown cases must be found in the early stages; clinics, nurses, summer camps must continue the work which has already proved its worth. Practically all the money raised by the seals remains in the community where it is given, and is used to meet the special needs existing there.

West Lynn Holds First Place In Safety Contest

THE report of the Inter-Works Accident Prevention Contest at the end of September showed West Lynn in first place in Division 1. Bridgeport, because of a fatal accident having occurred at that plant, dropped back into Division 2 while Bloomfield moved up into Division 1. The standings of the various plants follow, an asterisk denoting improvement over the previous month:

Division 1	Division 2
West Lynn	Erie
*Oakland	*Meriden
*Philadelphia	ALL PLANTS
Fort Wayne	Bridgeport
*Pittsfield	*River Works
Bloomfield	Schenectady

During Edison's Last Visit to General Electric



Dr. Irving Langmuir of the G-E Research Laboratories, explaining a phase of tube development to Mr. Edison





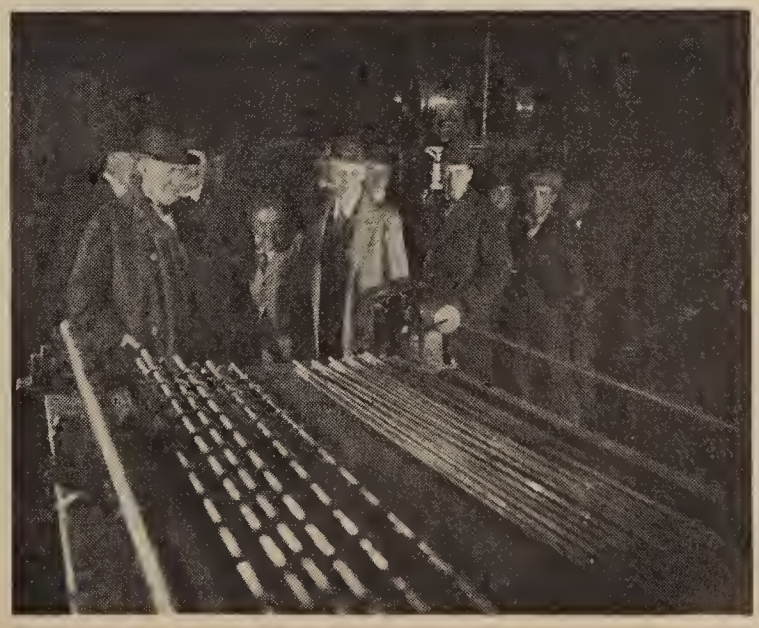
Thomas A. Edison greeting the Edison pioneers. Standing beside Mr. Edison is E. W. Rice, former President of the Company and Honorary Chairman of the Board of Directors

Thomas A. Edison inscribing his name In the visitors' register at the G-E Research Laboratory while Dr. Willis Whitney looks on

Two old friends in an interesting pose. Mr. Edison and Charles P. Steinmetz examining some insulators shattered by artificial lightning

Mr. Edison and Charles P. Steinmetz snapped while inspecting one of the factory buildings of the G-E Schenectady Works





The G-E Workers

The Complete Line of General Electric Home Appliances Is Shown on the Following Pages—Become Acquainted with All of Them

G-E Employees' Price Policy

MY acquaintance with General Electric's policy of substantially lower prices to employees dates back just twenty years this month. As an employee in the Cleveland factory of our Lamp Works I distinctly remember buying my first box of incandescent lamps at the lower price, and counting the advantage another credit to my highly prized job.

It was some time afterward before I understood the reason for lower prices to employees. Good workmen are proud of their work, and prefer, of course, to use the products which they and their fellow workmen help to make. Our employees are naturally loyal to their associates and to the General Electric Company. It seems fair that they should be able to secure our products without having to pay full list prices. General Electric has insisted on this policy over the protests of many very good jobber and dealer customers, but the privilege is and must be confined to direct employees who use the articles purchased in their own homes.

It is very human to forget or overlook the benefits which are close to us and go seeking for advantages elsewhere. This is one of the reasons why all employees do not continually buy our electrical home appliances for their own use.

In addition to MAZDA Lamps, employees may now purchase General Electric radios, refrigerators, ranges, heating devices, washers, ironers, sunlamps, cleaners, etc., at the lower employees' prices. These are all practical and useful appliances. Those which may require service and attention after the sale is made cannot be sold at the larger discounts, but in every case the prices are as low as the conditions permit.

The purchase of our own products helps to provide employment for General Electric people and to relieve our insurance and other costs.

T. K. QUINN, *Vice President,*
General Electric Company

TO USE the words of one of America's great department stores—"It's smart to be thrifty." Most of us know that this year it's *essential* for us to be thrifty, particularly in the selection of Christmas gifts.

To be thrifty, however, does not mean that it is necessary for us to go around "chiseling prices" and trying desperately to drive impossible bargains. Thrift at Christmas will mean the selection of attractive *useful* gifts at favorable prices.

G-E employees have a splendid opportunity to be thrifty—to be smart. A complete array of attractive, *useful* and *dependable* electrical appliances is available at substantial discounts, at all Employees' Sales Stores and through all Employees' Sales Representatives.

See the display today. Make up your Christmas list early. Plan to give *useful* gifts. Shop at your Employees' Store.

IT'S SMART TO BE THRIFTY!

* * *

General Electric solicits your suggestions to improve General Electric appliances. Design, construction, advertising and sales methods all offer opportunity for suggestions, which should be made on the regular suggestion blanks provided, and dropped into the suggestion box. Suggestions which are accepted will be rewarded.

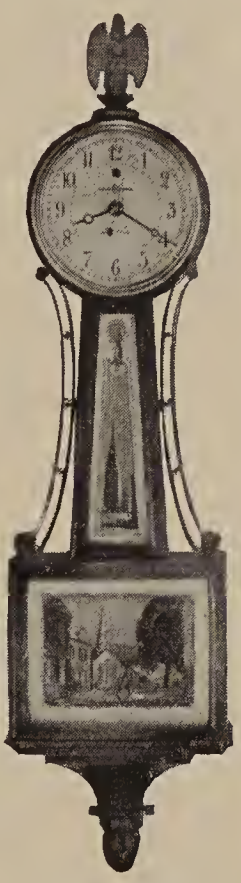
General Electric Clocks



Alarm Clock

General Electric Clocks give accurate time day after day, year after year. Just plug them into any regulated A-c. convenience outlet—and forget them. Their self-starting motor, which requires no winding, oiling or regulating, relieves you of all worry about correct time. Should there by chance be a current interruption the red target on the face will show immediately, telling you that the clock should be reset. This gives you honest time—on which you can rely. There are silent, chime, alarm and strike models available in kitchen, bedroom, upright, tambour and grandfather types, allowing you a choice for every room and for every purpose.

General Electric clocks are particularly practical and desirable as gifts. Their utility and dependability make them valuable additions to any home. They possess essential qualities that reflect the discrimination of the giver.



Banjo Clock



Kitchen Clock

Appliances shown in this section may be seen, further information obtained, and in the case of those appliances on which time payments are offered, arrangements made, through your employees' store or employees' sales representatives. Employees' discounts are available to all General Electric employees.

General Electric Full Range Radio



G-E Junior

General Electric Radio, unsurpassed in tone quality, selectivity and sensitivity, is an ideal addition to any home. Nation-wide tone tests in which famous musical authorities as well as the general public have taken part have resulted in a series of sweeping victories for General Electric radio. The G-E radio cabinets, too, have been designed in accordance with the dictates of public taste. The G-E Popular Console, a nine-tube screen-grid superheterodyne set, with automatic volume control and two Pentode tubes, has an additional feature—the G-E Tone Equalizer, consisting of two tone chambers which counteract the undesirable effects of cabinet resonance. This development, an exclusive G-E radio feature, is an important aid in obtaining true even-toned reproduction over the entire scale.

The G-E Junior is a small set with performance excelling that of many large receivers. An eight-tube screen-grid superheterodyne set with new type tone control. This set can be used anywhere in the home. Its convenient handle makes it readily portable.

The G-E De Luxe Lowboy is a new model embodying a number of improvements in chassis and cabinet design. It is a ten-tube screen-grid superheterodyne set in a brown walnut cabinet of graceful Renaissance design equipped with automatic volume control and two Pentode tubes. The chassis is doubly shielded in steel on all sides.



Popular Console



De Luxe Lowboy

General Electric Cleaners



Handy Cleaner

There is a General Electric Cleaner to meet every cleaning need. The "Super" is a brush type model with a special five-point brush adjustment which raises and lowers the revolving brush to compensate for the wear of the bristles. Four straight suction models, including the popular Handy, meet the cleaning problems of the smallest apartment and the largest home. The trim lines of these cleaners not only give eye appeal but efficiency that shortens cleaning time.

Sturdy construction and scientific design in both brush and suction types offer one of the greatest values per dollar invested.



Super

Junior

Features—No oiling—motors have ball bearings packed in lubricant at factory. Light weight—body of cleaner, motor base and cap are made of aluminum. Snap-on, self-cleaning, rubber-protected brush for loosening surface litter, threads, hair, and lint. Adjustable handle lock—may be locked in several positions for cleaning under beds, and other objects and for cleaning mattresses, chair seats, and stair carpets. Easy-to-empty, dust-proof bag—has cloth trap in throat to prevent dirt from spilling when bag is removed. Rubber casters—to assure quiet operation and prevent marring of floors. Adjustment screw—to set nozzle at proper height for cleaning rug naps of varying thicknesses.

General Electric Sewing Machine

With the new G-E Sewing Machine the daintiest materials and the heaviest woolens can be stitched with no adjustment to the machine. This is all more remarkable when it is considered that the G-E Sewing Machine is truly portable. It weighs but 15½ lb.—22½ lb. in its attractive black fabricoid carrying case. Its improved rotary bobbin and open hook mechanism eliminate serious difficulty in that most undesirable feature of the conventional sewing machine—clogging. Speed is perfectly controlled and the machine is so finely balanced that there is no vibration at top speed.

It is powered by a universal type G-E motor mounted on the base. It operates on either alternating or direct current and requires little or no servicing.

This machine is in no sense a makeover from the old style conventional type machine, but is



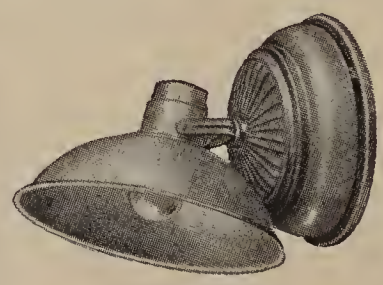
Portable Electric Sewing Machine

designed and engineered from the beginning for an all-electric truly portable machine modern in every respect to fit into the modern household. Because of its size, its portability, its lack of vibration, it can be used in any convenient place—even on a bridge table. It has no limitation in the field of home sewing—it will do all that the large machines do, and more. It can be used any place—upstairs, downstairs, out-of-doors—any place most convenient to the operator.

General Electric Sunlamps



Model B



Model P



Model K

There is a complete range of Sunlamp models from which to choose. Both S-1 and S-2 MAZDA Sunlight Lamps are utilized in these models, the S-2 Lamps giving approximately 50 per cent as much ultra-violet as the S-1 lamps. Available models in the S-1 line are the floor, table, ceiling and wall-bracket models; in the S-2 line, floor, table and bathroom units (both ceiling and wall types). Commercial models for poultry houses, swimming pools, gymnasiums, etc., utilize the S-1 Lamp.

General Electric Washers



Model W

The addition of the 2G and L washers now make General Electric washers available in five models—all finished in blue vitrcous enamel. All modcls, with the exception of Model B, use the Activator, a distinct General Electric contribution. It draws each piece into the full-power washing zone where the hot, sudsy water is continually forced through the clothes over their entire area.

Model 2G has a generous 8-lb. capacity square tub for washing and an additional tub containing the spin basket for drying. The spin basket, of sheet aluminum, is of tapered design to facilitate centrifugal drying. It makes 870 revolutions per minute, assuring quick and thorough drying. An automatic pump empties the tub in two minutes.

The new Model L washer is the single tub companion to the 2G. All features are practically the same except that Model L has a new and improved type wringer with instant safety release, instead of separate tub for drying.



Model 2G

Model W, of 8-pound capacity, wringer type; Model C of 8-lb. capacity, with spin basket; and Model B, wringer type with six-pound capacity tub complete with the G-E washer line.

All G-E washers have a full ¼-hp. G-E motor. All mechanism is sealcd in lubricant at the factory and needs no further attention. Free wheeling casters allow easy moving. An all-rubber waterproof cord of generous length permits movement over a wide area.

General Electric Flatplate Ironer



Flatplate Ironer

With the General Electric Flatplate Ironer, a complete ironing can be done by the most inexperienced operator. Shirts, bed and table linen, embroidery, pleated dresses—in fact, everything—can be ironed quickly and easily and the finished work is of the highest quality. Thermostat controls allow any temperature to be maintained on either or both ends of the shoe, giving proper heat for all types and weights of materials. No motor or gears to get out of order—it is a real "common sense" natural ironer. Because of the abundant pressure and regulated heat, it is possible to iron clothes perfectly, in emergencies, direct from the spin basket or wringer without line drying.

The ironing unit is permanently mounted in a table with a removable white porcelain acid-proof table top. When not in use it folds up and becomes a practical kitchen table of convenient size. When ironing, the table top is removed and the sides and back unfold into three shelves which may be used as a storage space for clothes.

General Electric Fans



10-in. Fan

These sturdy, dependable fans furnish fresh air circulation wherever and whenever you want it. Move them where you will—kitchen, bedroom, living room, laundry—plug them into the nearest convenience outlet—and cool comfort is yours at the touch of a switch.

There are individual fans for personal comfort, larger fans for group comfort and room ventilation, and special ventilating fans (portable or for permanent installation) that quickly renew the stuffy air in the entire home the year around.

Remember, General Electric fans represent all that is highest in quality, performance and dependability in fan construction. The average life of a G-E fan is 20 years; yet they cost no more than other good fans, and operate for only a few cents a day.

General Electric MAZDA Lamps
Edison MAZDA Lamps



75-watt 60-watt 40-watt 25-watt 15-watt

Standard Line Inside Frost

Edison MAZDA Lamps and General Electric MAZDA lamps of the inside-frosted variety are made in the wattages shown above for household use. They represent the highest efficiency and greatest lighting economy in incandescent lamps.



100-watt Daylight *Sunlight (Type S-1)* *Flame-shape* *Sunlight (Type S-2)* *Photoflash*

MAZDA Daylight lamps for use in the kitchen, the laundry, the bathroom and the garage, and MAZDA Decorative lamps are other household types made by General Electric. MAZDA Sunlight lamps (Type S-1) and (Type S-2) provide ultra-



Automotive *Flashlight*

violet radiation as well as illumination, while the MAZDA Photoflash lamp is the ideal new flash source for flashlight photography.

Miniature MAZDA lamps include types for automobiles, flashlights and radio panels. Newest among MAZDA auto lamp achievements is the two-filament, depressible beam headlamp, while there are other types for every lighting need on every car, new or old.

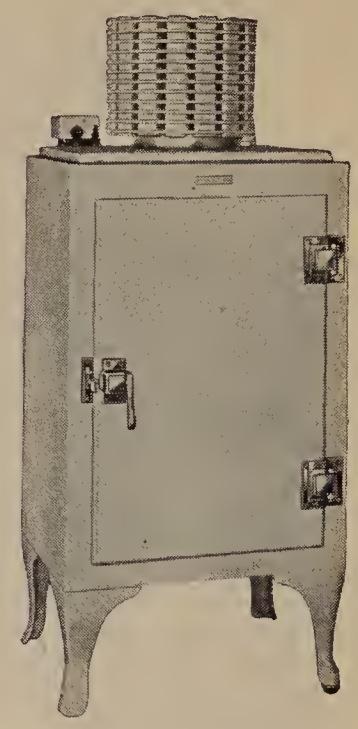
Look for either of these famous packages, and the G-E in a circle, to be assured that you are purchasing a genuine MAZDA lamp, product of the General Electric Company. Edison MAZDA Lamps and General Electric MAZDA lamps stand pre-eminent in every lighting field.





General Electric Refrigerators

The General Electric Refrigerator performs many tasks in the home. A stationary, never-varying cold always between 40 and 50 degrees is unfailingly held in food compartments. Simultaneously, temperatures 25 to 30 degrees colder are maintained in the super-freezer.



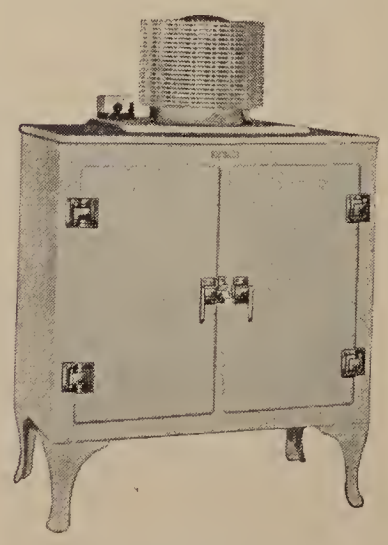
Model SS-62

Whole new avenues of frozen desserts, crisp salads, new and inviting dishes. are opened to the modern housewife. Foods have the crisp tang that only dry, constant cold can give. "Left-overs" are kept fresh and tasty until they fit into subsequent menus—an important economy. Cleanliness is positively assured.

You can purchase several days' supply of food at a time—saving many trips to market. You can leave for the week-end knowing you will have food in perfect condition when you return. Not merely efficient—the General Electric is so amazingly quiet that it will never disturb you, though you work right alongside it.

Hermetically sealed like a MAZDA lamp, the Monitor Top refrigerating unit contains all mechanism—permanently oiled—completely protected against air, dirt and moisture. Warm air rises by natural tendency. The unit on top of the cabinet thus dissipates heat in the easiest and most natural way.

Both the Monitor Top refrigerating unit and the cabinet of every General Electric refrigerating unit are guaranteed for three years. This remarkable warranty assures each purchaser that he will not spend one cent for service for three years. It has been made possible by an incomparable, expense-free performance record in the homes of more than a million satisfied users.



Model SS-100

Complete details of special employee's purchase opportunity appeared in the last issue of the WORKS NEWS.

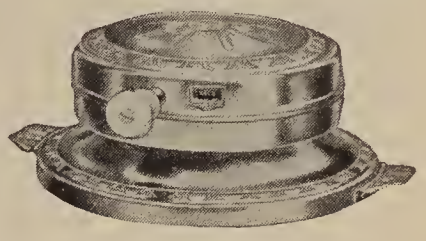
G-E Hotpoint Percolators



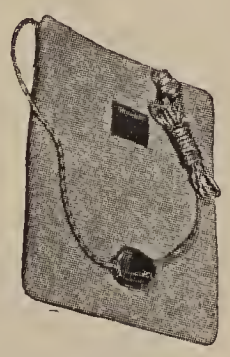
A practical and appreciated gift for the modern home-maker. A gift that will be a happy daily reminder of the giver year in and year out. General Electric Hotpoint Percolators make the most delicious coffee you ever tasted, quickly and conveniently—right at the table. General Electric Hotpoint Percolators and Urns are available in a variety of attractive designs, from 6 to 9-cup capacity. They are table appointments that lend beauty and charm to any home. Some are finished in tarnish-proof Chromeplate, others in gleaming nickel.

G-E Hotpoint Waffle Irons

An acceptable gift that will bring joy to the heart of any woman. Waffles are easy to prepare. They can be made and served right at the table with a G-E Hotpoint Waffle Iron. Just connect to the nearest electric outlet, pour on the easily made batter, and in a few minutes the waffles are ready to eat—piping hot and deliciously browned on both sides. No turning or greasing necessary. A recipe book containing 52 Hotpoint recipes is included free with each iron. Six models, beautiful, distinctive, and sturdily built. The automatic models have a dependable heat indicator which tells when ready to bake. Automatic heat control assures proper temperature.

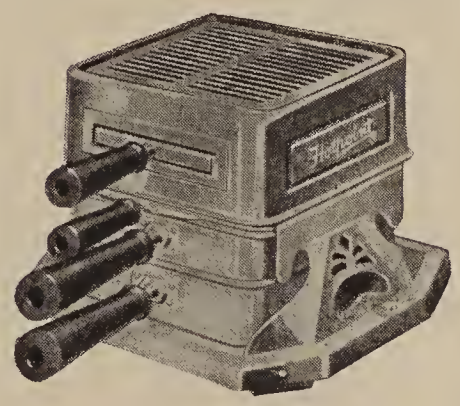


G-E Hotpoint Heating Pads



Here's a gift that almost anyone will appreciate. General Electric Hotpoint Heating Pads are always ready for instant service. They are highly recommended for use in alleviating the pain of cramps, colds, neuritis, lumbago, and any other ailment that yields to the gentle comfort of applied warmth. Old folks especially appreciate the comfort of its softness and health-giving infra-red rays and warmth. Convenient, safe and easy to handle without muss or bother, as its soft flexibility fits perfectly the contour of the part of the body treated. Most models have a 3-heat switch—low, medium and high heat. Available in a variety of attractive colors.

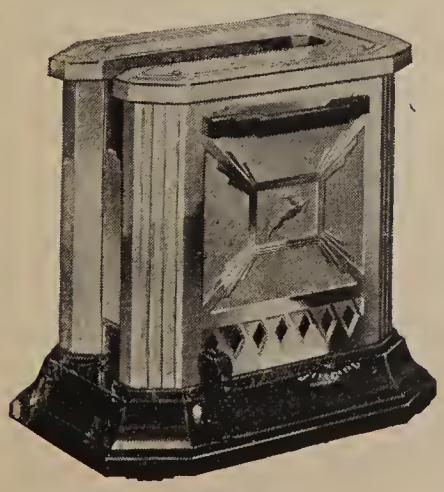
G-E Hotpoint Grills



This most convenient of all electric servants boils, stews, fries, toasts, broils, or poaches. Learn the easy way to prepare breakfast—right at the table with a G-E Hotpoint Grill and a G-E Hotpoint Percolator. The G-E Hotpoint Grill is particularly suited for breakfasts, luncheons, bridge or after-theater suppers, a joy for the girl at college or working and rooming away from home. Completely equipped with a number of modern utensils. This handy, accepted appliance is large enough to cook a complete meal for three persons or a tasty breakfast for four.

G-E Hotpoint Toasters

Mother will like this time and labor-saving gift. New delights await you in toast made the electric way—temptingly tinted to an even golden brown—crunchy and crisp, with a soft, tasty center. And it's most conveniently made, too, right at the table. There are seven handsome well-made G-E Hotpoint Toasters from which you may choose, including the Toast-Timer Toaster, illustrated.



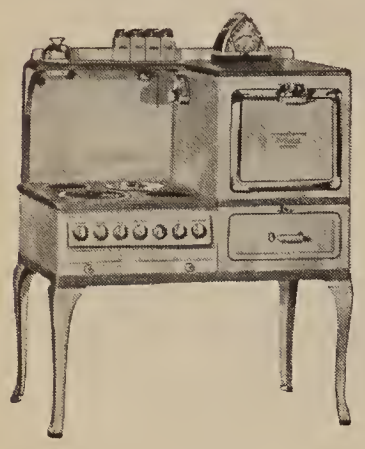
G-E Hotpoint Hotplates

A compact, useful Hotplate will find a ready welcome in any home. It boils, stews, fries or toasts without smoke or unpleasant odors. Performs tasks easily, conveniently and economically. Requires no special wiring. Just plug into the nearest convenience outlet and it is ready to operate. Has two glowing coil-units. Available in single-heat and three-heat switches. Four attractive models to choose from.



G-E Hotpoint Electric Range

This is truly the Modern Gift for Modern Mothers; 365 days of kitchen tasks are made lighter in those happy homes equipped with a General Electric Hotpoint Automatic Electric Range. Over a million homes are enjoying the cleanliness, coolness, convenience and economy of electric cookery. Modern mothers let electricity do the cooking —automatically — while they spend their time out of the kitchen. The General Electric Hotpoint Range turns the oven "on" and "off" at exactly the right time—regulates the temperature—bastes and watches the meals to see that they are done to expert perfection. And Hotpoint Electric Cookery is fast, clean, and economical. Figures show the average low cost of 1 cent per meal per person. A large variety of models are available to choose from—one to suit your particular needs.



G-E Hotpoint Electric Irons

An ideal gift for any occasion. General Electric Irons are known the world over for their high quality and durability. Their special features include the famous CALROD heating element, the million-dollar G-E invention, thumb rest to rest arm, wrist and shoulder, automatic heat control, positive and accurate, button saving button nooks, heel stand, brilliant and enduring Chromeplate finish. G-E Hotpoint Irons assure a lifetime of ironing ease.



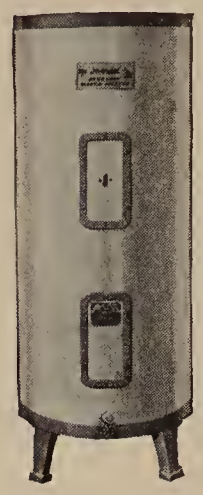
General Electric Heaters

A handy gift at any time. In winter or summer, spring or fall, the friendly warmth of a General Electric Hotpoint Hedlite Heater brings cozy cheer. Provides an intense flood of comforting, healthful heat right when and where it is most needed. A wide choice of colors, finishes, and styles are available for you to choose from.



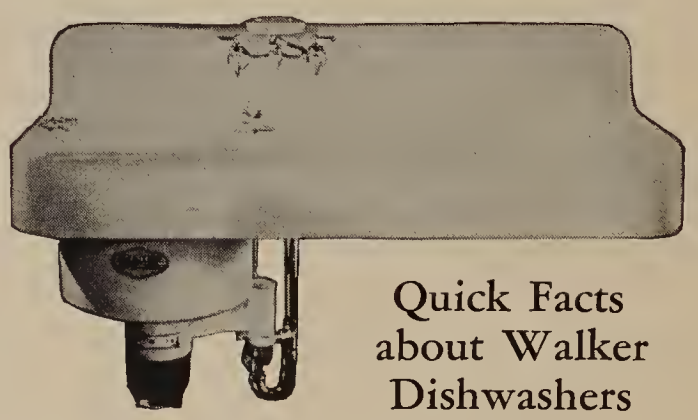
G-E Hotpoint Water Heaters

A plentiful and never-failing supply of hot water is as essential to the modern home as the electric range, electric refrigerator and other time and labor saving devices.



How often have you found the lack of hot water upsetting your entire kitchen routine? Whether dishes are to be washed, floors scrubbed, windows to be cleaned or laundry to be done, a plentiful supply of hot water right from the tap nearest you will do much to ease these laborious household tasks.

There is only one way to assure a continuous, dependable supply of hot water—and that is heat water electrically, by Hotpoint. Then, too, it is more than dependable—it is clean, safe, convenient and economical. CLEAN—because there is no smoking or soot, no ashes and dirt so common to other types of fuel. SAFE—because this electric water heater requires no vents or flues—there is no exposed flame or fire. CONVENIENT—because once installed it requires no attention whatsoever. ECONOMICAL—by comparison with other hot water heating costs and service.



Quick Facts about Walker Dishwashers

Self-cleansing—the same water action that washes the dishes, cleans the machine itself.

Pots and pans—a Walker washes, rinses and dries *anything* that can be washed by hand without laborious scouring or scraping.

Simple—no complicated pumps, strainers or moving sprays . . . so simple that a youngster can operate it.

Saves time—a Walker actually saves a month out of every year.

Safe for china—even your finest china is safer than when washed by hand—it never moves in a Walker.

Good housekeeping—keeps the kitchen much tidier. Dishes accumulate *out of sight* in the gleaming porcelain enamel bowl.

Sanitary—doctors approve it because it washes dishes with water far hotter than hands can stand. Only in this way can bacteria be destroyed.

He Was Pleased with His Investment

PRESIDENT Gerard Swope recently received the following interesting letter from a new stockholder who recently purchased 100 shares of General Electric common stock. It was written in response to a form letter sent to all new stockholders and signed by Owen D. Young, Chairman of the Board, and President Swope, welcoming them as such. It reads as follows:

"From Your New Stockholder—

"It is a pleasure to be welcomed as a stockholder of so well run a concern as the General Electric Company.

"First—I bought your stock at $40.00 a share as an *investment.*

"Second—Your bookkeeping is apparently done in the interest of the stockholder who puts his trust in the management.

"Third—Your reserves and depreciation charge-offs are liberal, inventories moderate, cash strong; you are ready for business revival.

"Fourth—You have no large mortgages.

"Fifth—Your net quick ratio shows 6 for 1.

"Sixth—Your policy indicates that you regard your workers as a valuable asset, and you have been leaders in a consistent effort to satisfy them, and assist them in the pursuit of health and happiness.

"Seventh—Your goods are of the very best in all lines of manufacture.

"Eighth—My experience has been, that wherever I have come in contact with a representative of G. E., I have contacted with a gentleman, and a man that knew his business, and could handle the details in a business-like manner.

"Therefore permit me to congratulate G. E. and the men fortunate enough to be connected with them, and Mr. Young and Mr. Swope, who have done so much, and given so much of themselves to demonstrate that business is a *service* and *not a game of poker.*"

Continuance of Group Insurance During Layoffs

On June 10, President Gerard Swope announced that Group Life Insurance policies of employees temporarily laid off for lack of work would be extended four months by payments of current monthly premiums. The Advisory Committee of the Company, with the consent of the insurance company, has extended this period another four months.

Death Benefits Paid and Disability Claims Allowed Under Group Insurance Plan

Month of September 1931

Death Claims

Service Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
Schenectady Works	1931						
38	May 4	Susie Frank	52	Estate	Yes	Previously paid	
2	May 10	John N. Youngs	44	Estate	Yes	Estate	Yes
2	July 16	Johannes Faulhaber	27		*	Mother	Yes
21	Aug. 6	Thomas W. Cornell	68	Wife	Yes	Wife	Yes
14	Aug. 18	Charles C. Gerding	47	Children	Yes	Children	Yes
13	Sept. 3	Henry Steffens	54		*	Wife	Yes
4	Sept. 4	Donald E. Lovell	32		*	Mother	Yes
37	Sept. 5	Clarence H. Brewer	51	Wife	Yes	Wife	Yes
11	Sept. 16	Frederick Hull	45	Wife	Yes	Wife	Yes
23	Sept. 23	Frank J. Prievo	61	Wife	Yes	Wife	Yes
River Works							
32	Aug. 27	Harry J. Cleveland	68	Wife	Yes	Wife	Yes
6	Sept. 6	Joseph Verringi	47	Wife	Yes	Wife	Yes
12	Sept. 23	John A. Blye	41	Wife	Yes	Wife	Yes
West Lynn Works							
15	Sept. 15	Peter Sawaska	65	Son	Yes	Son	Yes
Pittsfield Works							
7	Sept. 4	Jothan T. Miller	51	Wife	Yes	Wife	Yes
Erie Works							
1	Aug. 27	Cyril W. Sullivan	30	Wife	Yes	Wife	Yes
Fort Wayne Works							
1	Aug. 1	Anna G. Hart	36	Daughter	Yes	Daughter	Yes
8	Sept. 3	Ora Etter	50	Wife	Yes	Wife	Yes
9	Sept. 3	Irma M. Kirn	39	Husband	Yes	Husband	Yes
Merchandise Dept.							
5	Aug. 30	George A. Skidmore	50	Wife	Yes	Wife	Yes
9	Sept. 14	Peter Mackewicz	41	Wife	Yes	Wife	Yes
General and District Offices							
25	Aug. 29	Edward A. Taylor	53	Wife	Yes	Wife	Yes
42	Sept. 5	Edward Williams	55	Wife	Yes	Wife	Yes
International G. E. Co.							
2	June 21	Frank J. Cerecedo	24	Mother	Yes	Mother	Yes
G. E. Supply Corp.							
1	Sept. 4	Wm. D. Townsend	34	Wife	Yes	Wife	Yes
2	Sept. 9	James L. Cragg	26	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
23	Aug. 31	John Pienda	64	Wife	Yes	Wife	Yes
39	Sept. 5	Antonio Lipski	68			Wife and son	Yes
Pittsfield Works							
21	Aug. 31	John M. Hurley	57	Wife	Yes	Wife	Yes
Incandescent Lamp Dept.							
31	Aug. 17	J. Robert Baker	59	Wife	Yes		

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of September, 1931	26	$ 28,552.43	28	$62,500
Claims previously paid, 1931	235	268,553.58	243	413,500
Total claims 9 Months, 1931	261	$297,106.01	271	$476,000

Disability Claims

Service Years	Date of Grant	Employees	Age	Free Ins.	Add'l Ins.
Schenectady Works					
4	Sept. 2	Jay B. Farrington	44		Yes
28	Sept. 16	Barney Klein	54		Yes
20	Sept. 28	Klements Polack	49		Yes
31	Sept. 29	John P. Turck	59		Yes
River Works					
27	Sept. 8	John Stephens	59		Yes
West Lynn Works					
10	Sept. 11	Herbert F. Williams	36		Yes

*Free Insurance cancelled after one year's absence due to illness.

(*Continued on next page*)



A View of Harvard's Stadium Showing the Scoreboard in the Distance and the G-E Controls Being Operated in the Press Box High up in the Stands

Harvard Inaugurated Automatic Scoreboard In Season's Opener

SPECTATORS who gathered Oct. 3 to see Harvard pry the lid off the football season, defeating Bates 28-0 at Soldiers Field, also saw Harvard inaugurate a mammoth new type automatic electric scoreboard which makes it possible to follow the ball, penalties, players, plays, and the score with comparative ease. Moreover, the figures that flash across this new board are accurate and perfectly in time with the play itself, for the action of the board is controlled by a push-button station on the 50-yard line. The scorers do not have to wait until the linesman's findings are wig-wagged to them as is usually the case with a board situated so far from the field of play.

This new board, the first of its kind in the country, was designed and built specially for Harvard's football needs by the General Electric Company. Thirty feet long by 12 feet high, the face of the board is dull black and its ball and numeral indications are flashed to the spectators by groups of incandescent lamps, so controlled that their brilliance varies with the amount of natural light over the field. The numbers are clearly visible with bright sunlight at 300 yards.

The operator is situated at the 50-yard line and by a series of push-buttons he can instantly make the proper indications Pressing one button releases another one so that possibility of mechanical error is removed. Speedily-operating relays effect the changes in indication and carry the complete story of the game to the spectators in all parts of the stadium.



The Scoreboard

Death Benefits Paid and Disability Claims Allowed Under Insurance Plan

(*Continued from previous page*)

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.		Add'l Ins.
Pittsfield Works						
9	Sept. 24	John Castronova.....	43			Yes
20	Sept. 24	Ilario Menin.....	47			Yes
Erie Works						
13	Sept. 11	Joseph M. Robinson.....	55			Yes
Fort Wayne Works						
9	Sept. 1	Everett E. Baughman....	48			Yes
General Office						
6	Sept. 16	Lucius J. Kolkowski.....	24			Yes
Incandescent Lamp Dept.						
11	Sept. 1931	Sidney W. Forward.....	51			Yes
Disability Claims granted September, 1931					12	$20,000
Disability Claims previously granted, 1931			4	$3,500	53	81,000
Disability Claims 9 Months, 1931.....			4	$3,500	65	$101,000
Total Death and Disability Claims since Jan. 1, 1920.....						$7,657,975.56

GIRLS' SECTION

Elex Club Activities

Haunted House Masquerade

ON OCT. 13 the Elex Club girls had planned to have a "Haunted House Masquerade Party" at Pleasant View Cottage along the St. Joe River. Thrilling plans were laid and it was even thought that the spooks which haunt the cottage were going to give their full co-operation; however, the weather man was in a trying mood and sent frequent showers during the day, making it necessary to hold the party in the spacious G-E gym.

The gym was hastily decorated with black cats, jack-o-lanterns and the usual Halloween decorations. At about 5:30 p.m. the girls began to arrive and by 6 o'clock about 150 were present. The majority of them were masked, and what a weird looking group they were: a negro mammy, Raggedy Andy, old-fashioned girls, sailor boys, Turkish girls, farmer boys—almost every type was represented.

An appetizing outdoor supper was served cafeteria style. Supper was immediately followed by a grand march during which favors of noisemakers and whistles were given. Dancing was enjoyed by many of the members—a square dance, also, provided a great deal of amusement during the evening, due to the inability of several dancers to understand the various "calls."

As a fitting climax to this hilarious evening came the awarding of prizes to the couples with the best or most grotesque costumes. The judges finally decided that Ruth Fuller and Pearl Alwine should have first prize, Bessie Brown and Ruth Bicknese second and Lenora Braden and Faye Zion third.

Following this interesting event light refreshments consisting of cider and doughnuts were served. Advance enrollments for the Elex classes which were to start with the first regular meeting of the club, were then taken.

No doubt every member who was present at this party feels that a special vote of thanks should go to the committee, composed of Irene Meyers, Louise Lawson and Lois Miller, for the splendid way they put this party across when it could not be held as originally planned.

Masquerade Roller Skate

Recently Elex Club sponsored a jolly Masquerade Roller Skating party to which all General Electric employees, members of their families and friends were admitted. The big party was held at Bell's Skating Rink on Oct. 20. A large crowd was in attendance and almost everyone was well disguised. There were the usual number of tumbles, but perhaps most of those who fell were in costumes in which a pillow or two could be concealed. At least there were no casualties. The high spot of the evening was the Grand March on roller skates which was certainly much enjoyed by the spectators as well as the participants. During the course of the evening four attendance prizes were awarded, which were won by Billie Niebel, Mrs. W. Beyer, Don Leichty and Marcella Deininger. Prizes for the cleverest costumes, too, were presented and these went to Margaret Schott, Helen Schaefer Louise Schwartz and Cathleen Bitner.

These Elex Skating parties are very popular and many of our G-E employees seem to think that one or two a year are hardly enough.

Golden Hour Program

The first regular supper meeting of the 1931-32 season for Elex Club members was held on Nov. 3 in Bldg. 16-2, at which time the "Golden Hour Program" was presented.

At 5:10 p.m. a delicious supper was served to about 275 members. All the table appointments and especially the menu perfectly carried out the "golden thread" which was the theme of the evening's meeting.

After supper the girls gathered in the north dining room of Bldg. 16-2 which had been changed into a "golden room." All the lights had been draped with yellow crepe



ELEX CLUB OFFICERS FOR 1931-32

Standing: Hilda Puff, secretary; Lena Shull, treasurer. *Sitting*: Myrle Strause, vice-president; Louise Lawson, president.



ADDITIONAL MEMBERS OF ELEX EXECUTIVE COMMITTEE

Back row: Esther Moll, Lois Miller, Leone Stone. *Front row*: Irene Meyers, Esther Newman, Marie Blough.

paper and the effect of a golden ceiling was obtained by means of streamers of yellow crepe paper stretched across the room overhead. A huge golden spider web with a vicious looking black spider in the center and a pretty butterfly caught in the meshes of the web formed a background for the stage. While the group was assembled in this gilded room miniature pocket dictionaries, for which everyone professed a great need, were presented as favors.

The first feature of the "Golden Hour Program" which was presented at this time, was a short play "The Other Woman," which was enacted by Mary O'Dowd and Mrs. Arthur A. Betz in their own inimitable way. The plot of the story was inspirational. Immediately following the play the Schweitzer sisters, Ruth and Lillian, sang several songs which were greatly enjoyed by everyone. The lack of time made it impossible to present the balance of the program and everyone felt as though they were missing some entertaining and perhaps inspiring feature by having the program cut short in this way. Marie Blough, as chairman of the program committee, certainly endeavored to give the Elex girls an hour so golden that it would linger in their memories for a long time, and it was unanimously agreed that she had succeeded beyond a doubt.

At seven o'clock classes were organized and held for one hour. A class in finger waving, never before offered in Elex Club, is being held this year and it certainly has made a "hit" with the club girls, as there were 56 enrollments, the largest number for any class. Fraulein Schelbarger is the instructor. The class in Dramatic Art and Personality, taught by Mrs. Harry Hogan, proved to be next in popularity with 37 registrations. Other classes offered are auction bridge, Mary K. Grant instructor, 16 enrollments; contract bridge, Mrs. Merton Edgar instructor, 10 enrollments; ball room dancing, Hilda Puff instructor, 14 enrollments; arts and crafts, Mrs. T. J. Kucher instructor, 12 enrollments.

Such a large and peppy bunch turned out for this first regular meeting of the club that it looks as though this will be a banner year for Elex.



Estella Blakely

Plans for December

The events that are planned for the month of December certainly sound intriguing. For the Dec. 1 meeting the committee has a "Jail Party" lined-up, the mere mention of which should be enough to excite the curiosity of any girl. On Dec. 15 the "Santa Claus Party" will be held, and as all girls whether large or small look forward to the visit of Santa Claus, of course no one will want to miss this party.

Miss Moll Entertains

Esther Moll entertained the members of the executive committee of the Elex Club and a few other girls who are closely connected with the work of the club, at her home, 901 W. Jefferson St., on Oct. 6. The early part of the evening was given over to the discussion of activities for the 1931-32 season of Elex Club, and later the group played games.

At the close of the evening a delicious luncheon was served in the dining room. Tall yellow tapers tied with bows of green tulle lighted the tables and the place cards were clever little silhouettes.

Included in the group were Miss Moll, Hilda Hoeltje, Emma Mendel, Hilda Walda, Irene Meyers, Gladys McMillan, Cecile Meyers, Miriam Valentine, Marie Blough, Hilda Puff, Lois Miller, Esther Newman, Ruth Fuller, Bessie Brown, Lorena Fann, Louise Lawson, Myrle Strause, Lena Shull, Leone Stone and Mabel Liggett.



Mrs. John Blakely at Lake Hamilton with two days' catch

Reminiscent of Summer

As a reminder of the good times of past summer outings we have these pictures of Estella Blakely of Bldg. 19-5 and her mother, Mrs. John F. Blakely, daughter and wife respectively of John F. Blakely, foreman in Bldg. 4-B. Estella, who is a stenographer in J. L. Bireley's office, is an especially accomplished swimmer, who has passed the life saving tests and often swims the one and one-eighth miles across Pretty Lake and returns without making a stop. Tap dancing also is one of Estella's accomplishments, she having taken up this art for the physical benefits she thereby receives. Mrs. Blakely surely will qualify as an expert angler, as the string of fish shown in the picture with her proves conclusively that if one knows the art, a real catch of sizable fish may yet be taken from our northern Indiana Lakes.

Margaret and Velma Schott Hostesses at Party

On Oct. 24 Margaret and Velma Schott entertained a number of friends at a Hallowe'en party at their home, 1656 Howell Street.

The rooms were gayly decorated in colors of orange and black with lighted pumpkin faces and leering ghosts peering from the corners. Games occupied the earlier hours of the evening and in bunco, prizes were won by Virginia Merriman, Marjorie Hanley, Edward Burcherd and Robert Tagtmeyer, while in a donkey contest NormanPrange was awarded a prize. The guests came in masquerade costumes and prizes were received by Helen Farrell, Bessie Brown and Earl Hart for being the most cleverly dis-

guised. After the games and contests were over the guests danced.

At a late hour a delicious two-course luncheon was served in the dining room. The long table, around which the merrymakers gathered, was centered by a bowl of lovely yellow chrysanthemums and lighted by tall yellow tapers.

The guests present included Marjorie Hanley, Helen Farrell, Genevieve Lothamer, Dorothy Masel, Virginia Merriman, Bessie Brown, Agnes Wefel, Edna, Velma and Margaret Schott, Edward Burcherd, Norman Prange, Earl Hart, Herman Stahl, Robert Tagtmeyer, Gray Gresley, Fred Tagtmeyer, Robert Rodgers, Phil Ehinger and Clifton Wefel.

Building 4-2 Employees Have Wiener Bake

Oct. 28 was the night selected by a group of employees in Bldg. 4-2 for a wiener bake, so they went out to Foster Park and thoroughly enjoyed the evening roasting wieners over a blazing bonfire and having a general good time.

Mr. and Mrs. Jay Andrews, Mr. and Mrs. Carl Foltz, Mr. and Mrs. Ray Ladig, Clarence Linsky, Betty Freewald, Gladys Eagleson, Pearl Settlemeyer, Luella Dohrman, Mildred Balliet, Iva Stephen, Thressa Zumbrum, Deloros Bogan and Rose Marie Harmes made up the group.

Weddings

Castor-Hoffman

The marriage of Madeline Hoffman, Bldg. 17-2, and Fred Castor, Bldg. 19-4, occurred at 8 o'clock on the morning of Oct. 10. Rt. Rev. Joseph F. Delaney performed the ceremony which took place at the Rectory of St. Patrick's Catholic Church. Mr. and Mrs. Hugh Hirious, the latter a sister of the bride, attended the couple. At 9 o'clock a wedding breakfast was served at the Catholic Community Center. Mr. and Mrs. Castor are residing at 917 Home Avenue.

Tarney-Miller

Lavern Miller and Cecil Tarney, both employed in the Transformer Dept., Bldg. 26-2, were united in marriage on Oct. 17, the wedding taking place at the home of the bride's parents, Mr. and Mrs. Darwin Miller of 1502 Stophlet Street, with Rev. C. W. Baer officiating.

A wedding dinner was served at the home and in the evening a reception was held. Later the young couple left on a wedding trip. For the present Mr. and Mrs. Tarney will make their home with Mr. Tarney's parents, Mr. and Mrs. C. E. Tarney of 1205 Fulton Street.

Keller-Houser

In a wedding ceremony solemnized at St. Patrick's Catholic Church on Oct. 20, Velma Houser, Distribution Dept., Bldg. 18-B, became the bride of Robert Keller. Rt. Rev. Joseph F. Delaney read the service which took place at 9 o'clock.

The bride was attended by Lou Welch as maid of honor and Beatrice Houser and Helen Keller as bridesmaids. Little Rosemary Carteaux carried the ring on a pillow of white satin. Paul Keller was best man and Joseph Flack and James Hafert served as ushers.

The wedding breakfast served at the Catholic Community Center was followed by an informal reception at the home of the bride's parents, Mr. and Mrs. Clem Houser of 301 West Leith Street. Later Mr. and Mrs. Keller left on a short wedding trip.

Slack-Miller

A lovely ceremony which took place at high noon on Oct. 31 in the English Lutheran Church of the Redeemer united in marriage Marjorie Miller and Preston W. Slack. Rev. C. William Baer officiated at the service.

Preceding the ceremony Mrs. Lester W. Ortlieb, organist of the church, presented a 15-minute musicale.

The bride, who was given in marriage by her father, was attended by Clara Henline as maid of honor and Marjorie Slack as bridesmaid. Edwin Steele was best man and Louis Reiter and Byron Evard served as ushers.

Following the ceremony a wedding dinner was served to the members of the immediate families at Mrs. Miller's English Tearoom and in the afternoon a reception was held at the home of the bride's parents Mr. and Mrs. Charles J. Miller, 837 Heustis Avenue. Late in the afternoon Mr. and Mrs. Slack left on a wedding trip. They are now residing at 1720 Howell Street.

Mr. Slack is employed in the Works Laboratory, Bldg. 28-2, and Mrs. Slack in the Fractional Horsepower Motor Dept., Bldg. 17-2.

Fitzwater-Schnitz

At 2 o'clock on Nov. 1 the marriage of Cleo Schnitz, of the Meter Dept., Bldg. 26-4, and Earl Fitzwater, of Bldg. 27, took place at the home of the bride's parents, Mr. and Mrs. Jacob Schnitz of 3109 South Harrison Street, with Rev. G. Harmon performing the service. A unique feature of this wedding was that it occurred on the 44th wedding anniversary of the bride's parents. Mary Feltz, also of the Meter Dept., and Daniel Schnitz, a brother of the bride, were the attendants. In the evening a wedding supper was served with covers laid for 30 guests. Mr. and Mrs. Fitzwater are residing at 1036 West Washington Boulevard.

Corson-Bixler

Mildred Bixler and Alton Corson were joined in wedlock on Oct. 31. Rev. W. E. Clark conducted the double ring service which took place at the parsonage of the Wayne Street Methodist Church. Martha Bixler, a sister of the bride, and Kenneth Yager attended the couple. Following the ceremony, Mr. and Mrs. Corson left on a short honeymoon. They are now at home to their many friends at 437 West Butler Street.

Mrs. Corson is employed in the offices of the Fractional Horsepower Motor Division, Bldg. 4-6. Mr. Corson formerly was employed at the Broadway plant and last year was a member of the Mazda basketball team; he is now an employee of the Inca Manufacturing Company.

Hunches vs. Suggestions

EVEN as "mighty oaks from little acorns grow," worthwhile ideas, resulting in large suggestion awards, may grow from little "hunches" if they are followed up.

The dictionary gives "a strong intuitive impression" as a definition of the word "hunch." We all have had them—sometimes to our advantage; sometimes we have not acted on them and later wished we had.

Dr. Whitney, director of the Research Laboratory, Schenectady, is a believer in hunches and says so frankly. Many a new idea, he says, seems to have been born as a hunch rather than being the product of deliberate mental exertion. It is, he says, only after a hunch that we use forced and controlled cerebration. He describes a hunch as a "kind of integrated sum of subconscious mental assets precipitated, flash-like, by some catalytic agent into an open but not empty mind." The hunch, he believes, should be defended and thus become strengthened.

It is an interesting philosophy and, advanced by one who is a philosopher, scientist and executive, strengthens in us whatever confidence we already have in the guiding power of that strong intuitive impression we call a hunch.

The only trouble we have in developing our hunches into suggestions is the absence of "forced and controlled cerebration" after a hunch impinges upon our consciousness.

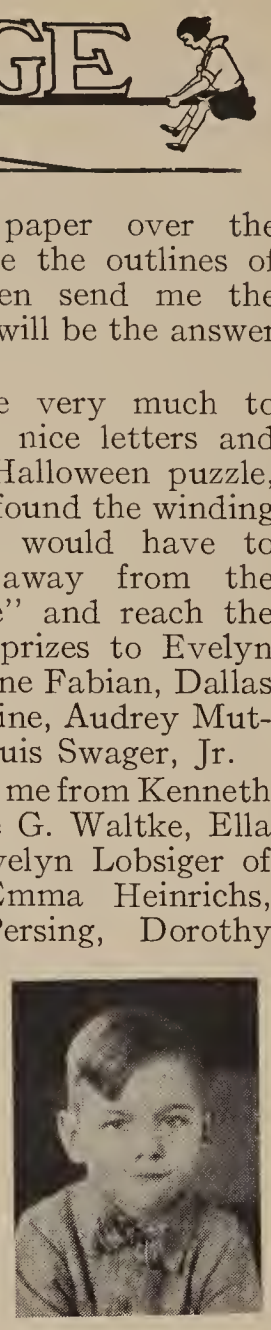
JUNIORS' PAGE

DEAR G-E JUNIORS:

I know what all of you are thinking about now—next Thursday will be Thanksgiving Day. Perhaps you will go to your grandmother's house for a big dinner and she will have baked big, fat pumpkin and juicy mince pies, and perhaps she will have a big turkey roasted to a lovely golden brown and just lots of other good things to eat. We were thinking about Thanksgiving, too, when we chose a puzzle, but when the artist drew this puzzle she thought of a Thanksgiving Day many, many years ago when there were lots of wild turkeys, and instead of going to market and purchasing a nice, plump turkey the Pilgrim father would take his gun and go out to hunt a turkey for the Thanksgiving dinner. So, in our puzzle picture we have a Pilgrim out hunting the Thanksgiving turkey. He thought he heard some turkeys among the corn shocks and as he came nearer he no longer could hear them, so he stopped at an old stump hoping to soon catch sight of them. Of course turkeys do not want to lose their heads just for a Thanksgiving dinner, so they are quietly hiding among the corn shocks. There are two of them—can you find them? When you do find the turkeys you may place a thin piece of paper over the picture and trace the outlines of the turkeys, then send me the tracing, for that will be the answer to the puzzle.

It pleased me very much to receive so many nice letters and answers to the Halloween puzzle, and most of you found the winding path that Jack would have to follow to get away from the "Haunted House" and reach the street. We sent prizes to Evelyn Lobsiger, Geraldine Fabian, Dallas Haycox, Irene Cline, Audrey Mutschlecner and Louis Swager, Jr.

Letters came to me from Kenneth Nyffeler, Johnnie G. Waltke, Ella Fay Ogg and Evelyn Lobsiger of Decatur, and Emma Heinrichs, Edythe Mae Persing, Dorothy Lordier, Margaret Everding, Betty Rose, Irene Cline, Dorothy Wyss, Richard Wyss, Gerald Wyss, Charles Gardt, Virginia Vodde, Kenneth Klenke, Geraldine Fabian, Louis Webster, Dallas Haycox, Lillian Meeker, Audrey Mutschlecner, Louis Swager, Jr. Estella Schwartz, Celeste Schwartz and Elmar Devaux. Lillian Meeker, Dallas Haycox, Louis Swager, Jr., Evelyn Lobsiger, Kenneth Klenke and Edythe Mae Persing are new Juniors who sent in their first puzzle answers last month.



Louis Swager, Jr.



Harriet Swager

Bernice Etzler's answer to the September puzzle came in too late for us to mention her name in the October WORKS NEWS. I also received answers to the puzzle in our August WORKS NEWS from Catherine Murphy, Bernice Etzler, Estella Schwartz and Geraldine Fabian, but these letters were mislaid and the writers' names were not mentioned in either the September or October issues of our WORKS NEWS; however, I gave credit to all who had correct answers on the card record which I keep.

I am very glad to have for our Juniors' Page this month these cute pictures of Louis Swager, Jr., and his little sister, Harriet, which Louis sent me. Their father, Louis Swager, works in the Apparatus Dept., Bldg. 19-3.

Now I wonder how many of you Juniors will find the Thanksgiving turkeys for which the Pilgrim is hunting—look closely at the picture and I am sure your bright eyes will spy them. I just hope every one of you will have a very happy Thanksgiving Day.

Yours sincerely,

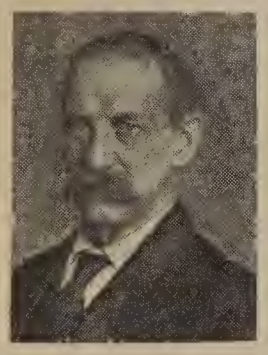
Jill



Deaths

Sylvester Richards

SYLVESTER RICHARDS, member of our Quarter Century club, who had been retired from active service since Apr. 18, 1925, died Oct. 26 in Los Angeles Calif. At the time of his retirement Mr. Richards was employed as an inspector in the Meter Division and had been continuously in our Company's employ for nearly 36 years. During the first year of his retirement he had gone to Lentz, Oregon, where he made his home with his brother John. Since Sept. 1930, he had been staying with his brother B. F. Richards in Los Angeles, where he died. At his death Mr. Richards was over 79 years of age.



Sylvester Richards

William C. Tannehill

William C. Tannehill, 23, a tester in the Fractional Horsepower Motor Dept., Bldg. 4-3, died at the Linvill Hospital in Columbia City, Nov. 2, of injuries he received in an automobile-motorcycle accident that same day on a road near Columbia City. Mr. Tannehill came to the General Electric on Sept. 7, 1927, to take the electrical tester apprentice course and graduated from the Apprentice School on Oct. 10, 1930. Since then he has worked as a tester, at first under Mr. Erickson in the Fractional Horsepower Motor Division, next in the Refrigeration Division at Winter Street under Mr. Gettys, thence in the Meter Division under Mr. Klingman and finally under Mr. Hart in the Fractional Horsepower Motor Division, Bldg. 4-3.



William Tannehill

His parents live in Whitley County and he was returning from a visit with them when the fatal accident occurred.

Robert Estle

Robert Estle, 21, employed as a stock clerk in Bldg. 6-2, died at St. Joseph's Hospital Nov. 1 as a result of injuries received in an automobile accident on Oct. 30. Mr. Estle, whose parents live in Kokomo, came to the General Electric Company in June, 1929, taking work in the Fractional Horsepower Motor assembly. He had been employed as a stock clerk since June of this year. The funeral was held Nov. 4 from the Friends church at Kokomo with burial in the cemetery there.

Ernest Kayser

Ernest Kayser, formerly an employee of our Pattern Shop, who for a number of years had been receiving disability relief, died Oct. 22 from cerebral hemorrhage at the age of 67 years. Mr. Kayser had worked for our Company approximately 24 years and was a brother of August Kayser, Bldg. 18-1, and of Fred F. Kayser, Bldg. 26-5. The funeral was held at Klaehn and Sons' funeral parlors here on the afternoon of Oct. 26, and burial was made in Lindenwood cemetery.

» » » Athletics « « «

G-E Club Announces New Price Schedule for Basketball Games

The management of the G-E Club basketball team is pleased to announce a new price schedule for its basketball games for this season. Formerly there was no real inducement for a fan to purchase a season ticket, and feeling that the regular customers should benefit, the Club has reduced the price of the ticket to one dollar ($1.00) for a half season, but has increased the cost of single game tickets to fifty cents. To further benefit the regular attendant, an employee may also purchase an additional season ticket for his wife, or a season ticket and twenty-five cents will admit an employee and his wife. There will be no seats reserved this season as it is felt that no real benefit was derived from this reserved section. While this schedule is arranged primarily to benefit the club members and family, no restrictions will be placed on the sale of tickets and their sale is expected to be city-wide. Children under 12 years will be admitted free if accompanied by their parents. The advantages of this plan is apparent and need not be discussed in detail. The Club hopes to insure its success in the league by a large sale of season tickets before the schedule starts.

G-E Club Member of National Industrial Basketball League

The G-E Club feels honored and fortunate in being offered a berth in the newly organized National Industrial Basketball League. This league, composed of teams representing the leading industries in the middle west, will have as members the Akron Firestones, Akron Goodyears, Michigan Centrals, Detroit, Y.M.H.A.'s of Pittsburgh, Pa., Glendora Coffees of Oil City, Pa., Cleveland Pennzoils, G-E Club, Ft. Wayne, and possibly the Bendix Brakes of Chicago. To organize and put in operation such a league is a gigantic task but its sponsors are leaving nothing undone to make its initial venture a success. As its name implies this league is intended as a strictly industrial league with every player a bona-fide employee of the industry he represents. No predetermined schedule will be arranged but in order for any team to be counted in the standing they must play a minimum of four games at home and four games on their opponents floor in a half. The G-E five is making arrangements to start their regular league schedule on Dec. 2, with their opponents the strong Michigan Centrals of Detroit, who are more or less well known to local net fans. Preceding this league tilt the management is attempting to book the famous House of David team of Buffalo, N. Y. It is to be understood that all games on the schedule will not be league games but there will be a minimum of four games on the home floor each half with league teams. The standing of the teams will be carried in the leading newspapers.

A large number of players turned out in answer to the first call for practice and Manager Lindemuth is again faced with the problem of reducing his squad to workable size. Most of last year's squad including, Boots, Evard, Spahr, Slack, Holmes and Hamilton were present as well as a large number of new-comers and inter-department players. Among the more prominent are Langenberg, former U. of Minnesota player; Florent, G-E Juniors star center; Jim Oman and Lenz of Winter Street; Fisher, Glenn and Fenwick and a host of others trying to make the grade. The club should have an even stronger

team than last year and should give a good account of itself in the league.

Longbow Men to Hold Matches

The Archery Club is preparing for an extremely heavy indoor season with matches scheduled with clubs at Roanoke and Huntington during this month and December, to be followed by matches with Muncie, Kokomo, Wabash and other clubs.

S. B. Stilwell, Bldg. 19-3, manager of the Archery Club, is anxious to line up a number of good performers in the activity and will undoubtedly enter a team in the State Tournament at Huntington next spring.

The archery range in Bldg. 4-B is open every noon and evening and offers a splendid opportunity to practice for the coming events.

If you are at all interested call Mr. Stilwell on phone 466, or see him at the range.

Strong Squad Out for Junior Basketball

Nineteen candidates answered the call for the G-E Juniors basketball squad, including all of the players of last season, and regular practice sessions are being held in preparation for the coming season.

Bob Hunt and Earl Strouse will be back at the forward positions, Babe Trentadue, Francis Richards and Glenn Staight have the guard posts filled, and Elmer Paul will take the center position vacated by Dick Florent, who has been selected for the G-E Club squad.

The Juniors scored 23 victories in 24 games last season, 17 in 18 games the previous year, and hope to maintain their record this year.

Athletic Feed Well Attended

The G-E Club Athletic Feed, honoring players in the various summer activities sponsored by the organization, attracted a crowd which taxed the capacity of the cafeteria on Oct. 28.

Harry E. Hire, past club president, serving as toastmaster, had a pleasing informal program arranged including talks by E. A. Barnes, former general superintendent; C. H. Matson, general superintendent; W. J. Hockett, supervisor of Personnel Dept.; E. J. Graham, superintendent Fractional Motors Div.; F. G. Duryee, club president and Henry Dannecker, club treasurer. Managers of the various teams responded in short talks to voice their appreciation of the privileges and opportunities received through the many Club leagues and games.

Trophys, awards, and prizes were presented to the winners by G. R. Lindemuth, chairman of the Athletic Committee during the past season.

Monogrammed jackets were awarded to Henry Bubb, George Cowan, Lou Barney, Bob Glenn, Paul Enders, Charles McAfee, Verdayne Fisher, Otto Rodenbeck, Bob Stafford, Don Lichty, Adam Farrell, Jim Daley, Ernest Hanauer, Mel Kestner, Ed Kammeyer and William Glenn, manager, of the G-E Club baseball team, Division A winners in the City Industrial Baseball league.

The Apparatus baseball team, champions of the Inter-department baseball league and winners of the Main Auto Supply Co. trophy, were given monogrammed sweaters. This team comprised: Joe Henry, Ife Holmes, Dee Hamilton, Ralph Harwood, Isa Best, Art Anderson, Harry DeWitt, Charles Braden, Bill Hoelle, Sam Baumgartner, James Crowe, Vernon Daseler and Ed Koch, manager.

George Houser, Dick Florent, Babe Trentadue, Elmer Paul, Carl Jacob, Gerald Schlund, Edward Heckler, Bob Hunt, Emmett Heitler, Laurel Fenwick, Dick Keller, Bruce Curley, William Gatton and Paul Berghorn, manager, of the Softball squad, City League champions were awarded monogrammed jackets.

The Apprentice softball team, Inter-department league champions, including Earl Strouse, John Dilling, Bill Holloway, Elmer Hazelett, Leonhard Michel, Francis Richards, Bill Schible, Walter Stoppenhagen, Bob Truelove and Glenn Straight, manager, received monogrammed sweaters.

Harold Snyder, George Lenz, William Stute, Everett Pace, Harold Hartman and John Blakely, manager of the horseshoe team, City League champions, were awarded monogrammed sweaters.

Members of the golf team, City Commercial-Industrial League champs, including Earl Lamboley, G. W. Cain, R. C. Hanna, S. C. Newlin, I. N. Kellogg, and L. Z. Gossman, manager, received monogrammed jackets.

Prizes won in the recent golf tournament held at Brookwood course were awarded as follows: first, F. Somers; second, M. Patty; third, J. Schwanz; fourth, J. Kensill; fifth, G. Cooper; sixth, G. Lindeman; seventh, M. Hartman; eighth, W. Englebrecht and ninth, E. Mitten. Low gross score was awarded to Earl Lamboley, blind bogie prize to L. Swager and consolation prize to Walter Wolf.

Pete Dannecker's Club orchestra furnished music and novelty numbers during the evening.

Meter Dept. Golf Tournament

The Meter Dept. golf tournament held at the Brookwood course drew an entry of 32 men and 8 women, and some good scores were turned in to claim the prizes in the 18 hole blind bogie contest. A medal and prize for low score was also given in each division.

Some of the most distinguished and esteemed golfers from the Meter Dept. received comic presentations which added to the enjoyment of the occasion.

Scores

MEN

E. Kammeyer	99	G. Ryan	120
C. Coleman	103	C. Greiger	121
D. Erne	105	W. Gatton	122
C. Rump	105	E. Rodenbeck	123
R. Greek	107	H. Witherow	124
H. Heine	109	J. Stark	127
W. Schwalm	111	M. Bloomberg	128
W. Mossman	112	R. Rippe	131
C. Thompson	114	M. Johnson	132
A. Timme	115	C. Schwartz	132
P. Wermager	115	V. Rump	133
S. Tisovic	117	C. E. Briggs	137
W. Danford	118	M. Payton	139
A. Knoll	128	W. Gaston	144

WOMEN

V. Linnemeyer	126	A. Dresen	157
B. Lantz	138	W. Buuck	164
A. Witte	153	C. Mettler	165
Erma Lackey	154	L. Buuck	173

The tournament was in charge of a committee composed of Herman F. Heine, chairman, Charles Thompson, Collette Mettler, A. Knoll, Alice Dailey, O. Coleman and Erma Lackey.

Inter-department Basketball

Opening games in the Inter-department Basketball League are scheduled for Monday evening, Nov. 30, and the growing interest in this branch of Club activities should assure the attendance of a large number of fans.

Games will be played every Monday and Thursday evenings, with the first game starting at 8 p.m. on Mondays and 7:30 p.m. on Thursdays. The teams will play a complete round of games in the first half, and then be divided into upper and lower brackets for the second half schedule.

With the exception of players on the G-E Club and Junior Club teams, there are no restrictions on eligibility of players and all of the departments have selected the best available talent for their teams. Fast, clean, interesting games will be offered and it is hoped that a large number of fans from all departments will witness the contests. There is no admission charge for any Inter-department games.

Inter-department Volleyball

Eight teams are entered in the Inter-department Volleyball League and three game matches are being played every Tuesday and Friday evening at the G-E Club gymnasium. Matches are scheduled for 5:30 and 6:15 p.m. of each evening and percentages are figured on games won or lost.

The initial round opened during the week of Oct. 26, and will continue until Dec. 22.

Al Gollmer is again managing the league. George Bridges and Earl Spiker are serving as referees.

The teams and respective managers are: Apprentice, Ted Clifton; Meter, Vic Rump; Fractional Motors, E. G. Stocks; Main Office, O. O. Vaught; Transformer, Henry Thorne; Small Motor, George Auer; Tool Specials, Ralph Dennison; Winter Street, J. C. Duryee.

Girls' Basketball

The girls' basketball season has started and now is in full swing. At the first practice the following enthusiasts reported: Roselia Collins 4-3, Doris Wright 4-3, Dorothy Kilfoy 4-3, Eileen

Dailey 19-4, DeEtta Ayers 19-4, Mary Beachler 4-3, Eloise VanCuren, Helen Stohlman 26-4, Florence Roller 26-4, Dorothy Keener 19-4, Opal Wright 4-1, Mary Feltz 26-4, Rosy Boyer 4-2, Ruth Reynolds 4-2, Winnie Farmer 4-2, Marcelean Curie 26-1 and Esther Pape 19-4.

Arthur Mossburg, who has been active in basketball for a number of years, is coaching the girls. He has played on the Mazda and inter-department teams for the past several years, and is well-fitted to turn out an excellent team.

The girls' team is scheduled to meet the Auburn High School at Fort Wayne Dec. 18 and at Auburn on Jan. 8. Negotiations are under way for games with a number of out-of-town teams and for a league of Fort Wayne teams.

In spite of the fact that the first gymnasium class was held during the time that many girls were off from work because of inventory, the attendance was good. Many additional girls are expected to turn out for this interesting and instructive class of which Carlton Kirbach is instructor.

The following girls were present the first night of class: Helen Stohlman, 26-4, Opal Wright 4-1, Rosy Boyer 4-2, Ruth Reynolds 4-2, Gertrude Grimes 16-3, Alice Immel 7-2, Hanna Koogle, Monnie Fry 18-2, Mildred Koogle, Nellie Berg 18-2, Marie Downie 18B, Virginia Glock 18-1, Marie Wickelman 4-3, Helen Tieman 19-3, Alice Sorg 18-1 and Esther Moll.

Gymnasium Activities Have Good Beginning

All of the gymnasium classes opened with increased attendance this fall and it is hoped that the pupils will appreciate the benefits of such regular exercise and continue to attend regularly so that the sessions will be helpful and enjoyable to many concerned.

Tony Delagrange has the men's classes on Monday and Wednesday evenings from 5:30 to 6:30 p.m. and he includes both calisthenics and apparatus instructions in his schedule. Past season pupils have been medal winners in arranged meets and there is some promising material in this year's group.

Carl Kirback is instructor of the girl's gym class which meets every Thursday evening from 5:30 to 6:30 and has over 20 athletically inclined misses going through the interesting routine.

Frank Newport has a large class of wrestlers out for the class on Tuesday and Thursday evenings from 5:30 to 7:30 p.m. and expects to have a number of advanced performers for the proposed amateur wrestling shows.

Nick Little's boxing class on Tuesday and Friday evenings from 7:30 to 9:30 p.m. has attracted a large group of willing leather slingers and the recent city-wide amateur tournament demonstrated the ability of these boys. Nick has developed some Golden Gloves winners and two or three from his classes have entered the professional ranks.

There are no charges or dues for any of these classes.

Earl Lamboley, New Golf Instructor

Earl Lamboley is the instructor at the newly installed golf practice range in Bldg. 2-3, and is already helping a large number correct their hooks and slices.



Earl Lamboley

The Club is fortunate in securing Mr. Lamboley, as he is a real golfer and is also able to impart his knowledge of the game to others. Earl has won a number of titles in amateur competition, including the Spring and Club championship at Orchard Ridge. He was a member of the G-E championship golf team, finishing with an average of 41.0 for 13 matches, and won the low gross score prize in the recent annual golf tournament.

New back stops and nets have been installed at the new location and, in addition to the evening class periods, are available for use during the noon hour.

88 Teams Now Bowling

Twelve leagues with a total of 88 teams are keeping the G-E Club bowling alleys active every evening. Bldg. 21 league, comprising four teams open the week's schedule at 5:30 p.m. on Mondays, followed by the Foreman's eight-team circuit at 7:00 p.m., and the six team Inter-department league at 9:00 p.m.

The Small Motor ten-team league, Small Motor Drafting four-team league and six teams of the Bldg. 27 league roll on Tuesday evenings. On Wednesday evenings the Transformer eight teams, Wire and Insulation four teams and Refrigeration twelve teams occupy the drives. The Apparatus ten-team league is in action on Thursday evenings, while the Meter twelve-team league and Girls' Industrial league of six teams has the assignments on Friday evenings.

All of the leagues were filled at an early date this season and the games are attracting a crowd of players and fans every evening. The alleys are in excellent condition and open for games every afternoon and evening, including Sunday afternoons from noon until 6 p.m.

Officers of the leagues are: Bldg. 21, Wm. Melching, pres.; Annette Bauman, sec.; Foreman's, Harry Kruge, pres.; Glen McAtee, sec.; Inter-department, R. O. Orff, pres.; Frank Quinn, sec.; Small Motor, B. M. Kline, pres.; Frank Quinn, sec.; Small Motor Drafting, G. Grauer, pres.; Gerald Schlund, sec.; Bldg. 27, J. Cline, pres.; W. N. Brown, sec.; Transformer, Frank Schlatter, pres.; Maurice Cox, sec.; Wire and Insulation, Wm. Glenn, pres., Jos. Hambrock, sec.; Refrigeration, J. D. Schwartz, pres.; E. C. Bunting, sec.; Apparatus, T. L. Wallace, pres.; N. O. Leedy, sec.; Meter, Roy Lawrence, pres.; Walter Dreyer, sec.; Girl's Industrial, Lucy Kopp, pres.; Irene Fox, sec.

Bowling Scores

Inter-department League

TEAM STANDING

	W	L	Pct.	Ave.
Small Motor	9	3	.750	912
Fire Dept.	7	5	583	897
Transformer	6	6	.500	906
Meter	5	7	.417	927
Athletic	3	6	.333	895
Refrigeration	3	6	.333	872

INDIVIDUAL AVERAGES

Name	G	Ave.
Jackson	12	213
Auer	9	209
Kammeyer	6	202
Harkey	12	195
Zurcher	3	195
Cox	12	192
Luedeman	12	191
Orfl	12	189
Stone	12	188
Rump	12	187
Quinn	12	185
McAtee	12	183
Bryan	9	182
Franke, H.	12	180
Hube	12	180
Tagtmeyer	12	179
Seymour	9	179
Bennigan	3	178
Hickman	6	177
Hueber	12	176
Kopp	12	176
Daley	9	176
Bushing	12	176
Saaf	12	175
Schlatter	9	174
Kammer	12	173
Hoke	12	173
Mettler	9	171
Franke, W.	9	170
Barney	6	169
Hambrock	3	169
Yoder	3	165
Schafenacker	6	162
Plaisted	9	161
Greek	6	155

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Jackson	290	Jackson	755
Kammeyer	256	Cox	651
Rump	248	Kammeyer	636

HIGH TEAM SCORE

One Game		Three Games	
Meter	1062	Meter	3013
Transformer	994	Small Motor	2818
Athletic	978	Athletic	2817

Meter League

TEAM STANDING

	W	L	Pct.	Ave.
Bases	14	7	.667	837
Gears	14	7	.667	824
Jewels	12	9	.571	810
Registers	11	10	.524	809
Terminals	11	10	.524	803
Pivots	10	11	.476	829
Elements	10	11	.476	797
Magnets	10	11	.476	794
Leads	9	12	.429	817
Discs	9	12	.429	810
Covers	8	13	.381	821
Seals	8	13	.381	792

HIGH TEAM SCORE

One Game		Three Games	
Pivots	951	Gears	2686
Discs	946	Bases	2676
Bases	935	Covers	2633

HIGH INDIVIDUAL SCORE

One Game		Three Games	
C. Rump	264	Jackson	750
Jackson	259	C. Rump	662
Trautman	255	Dreyer	605

INDIVIDUAL AVERAGES

Name	GP	Ave.
Jackson	21	210
Rump, C.	21	188
Lawrence	21	183
Allen	21	182
Bushing	21	182
Haberkorn	21	182
Voorhees	21	180
Snyder	21	179
Dreyer	21	178
Blomberg	21	177
Wood	21	176
Weick	18	175
Hueber	21	172
Evans	15	172
Kammeyer, E.	21	172
Trautman	21	171
Tennison	18	169
Fisher	21	169
Gardt	9	169
Nieman	21	167
Greek	21	167
Heine	21	166
Rodenbeck	21	165
Rump, V.	21	164
Hambrock	21	164
Schoenlein	21	164
Schwartz	21	164
Knock	21	163
Niemeyer	21	162
Castor	21	162
Laubenstein	21	161
Fagg	21	161
Feisler	21	161
Thompson	21	159
Ridgley	21	158
Winstel	21	157
Wolthan	21	157
Kammeyer, R.	21	157
Sexton	21	156
Witherow	18	156
Payton	21	156
Kammeyer, F.	21	155
Spade	21	155
Caston	21	154
Hermely	21	154
Todd	21	152
Schwalm	21	151
Schafenacker	21	150
Beitel	21	150
Moellering	21	149
Holden	21	149
George	18	149
Steup	21	149
Didier	21	149
Payne	21	147
McCoy	21	144
Koehlinger	21	144
Eylenberg	21	142
Kammeyer, O.	21	138
Comer	18	135

Transformer League

TEAM STANDING

Name	W	L	Pct.	Ave.
Ignitions	3	0	1.000	773.1
Oiltesters	2	1	.667	845.1
Signlighters	2	1	.667	785.0
Radios	2	1	.667	707.0
Capacitors	1	2	.333	783.0
Bells	1	2	.333	756.1
Potentials	1	2	.333	720.0
Toys	0	3	.000	716.1

INDIVIDUAL AVERAGES

Name	GP	Ave.
Kopp	12	201.1
Cox	12	189.3
Cook	12	183.8
Tagtmeyer	12	169.11
Schlatter	12	169.4
Gallmeyer	12	169.3
Meeker	12	165.5
Kronmiller	9	164.5
Staehle	12	161.2
Leitz	12	160.9
Zelt	12	160.2
Chadwick	12	157.5
Magers	12	156.7
Schurenberg	12	156.6
Fryback	12	155.4
Elward	12	155.1
Rice	8	155.0
Fultz	9	153.7
Sommers	12	153.1
Parker	12	152.5
Richey	6	152.4
Oosterling	12	146.7
Vance	9	146.5
Stonehill	12	143 5
Pohler	12	142.2
Bradley	12	141.11
Rowley	12	140.5
Morkoetter	12	139 11
Chapman	12	139.8
Moyer	12	137.6
Tuttle	12	136.5
Law	12	133.4
Owens	12	132.2
Garta	12	132.2
Hansel	12	131.3
Wickliffe	9	128.8
Thomas	3	126.0
Hanauer	12	122.6
Gildea	10	122.2
Valentine	12	110.11

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Schurenberg	244	Cook	648
Gallmeyer	240	Kopp	640
Tagtmeyer-Cook	235	Cox	626

HIGH TEAM SCORE

One Game		Three Games	
Bells	888	Oiltesters	2536
Oiltesters	887	Signlighters	2355
Ignitions	853	Capacitors	2349

Wire and Insulation League

TEAM STANDING

	W	L	Ave	Pct.
Rollers	6	6	813.2	.500
Insulators	6	6	804.4	.500
Wire	6	6	797.1	.500
Paper	6	6	777.6	.500

HIGH TEAM SCORE

One Game		Three Games	
Rollers	919	Rollers	2577
Wire	893	Wire	2546

HIGH INDIVIDUAL SCORE

One Game		Three Games	
DeWitt	225	DeWitt	610
Buckles	217	Buckles	594
Lallow	213	J. Hambrock	564

INDIVIDUAL AVERAGES

	G	Ave.
Hambrock, J.	12	178.5
Buckles	12	174.6
Cowell	12	173.1
DeWitt	12	172.3
Braden	10	170.2
Huffman	12	169
Saaf	12	165.2
Lallow	12	164.7
Blust	12	163.1
Grueb	9	161.8
James	12	161.7
Gardt	12	157.9
Glenn	12	156.2
Schultz	12	155.11
Hambrock, A.	12	155.1
Snyder	12	150.4
Hire	6	145.2
Girardot	12	144.8
Elliott	6	142
Swift	12	137

Small Motor League

TEAM STANDING

	W	L	Ave.
Fields	14	4	.818
Commutators	11	7	.820
Nameplates	11	7	.819
Flanges	11	7	.803
Coils	9	9	.811
Springs	9	9	.806
Armatures	8	10	.822
Leads	7	11	.810
Brushes	7	11	.797
Bases	3	15	.769



BOWLING LEAGUE OFFICERS

Back row: E. J. Harkenrider, G-E Club mgr., William Glenn, Joseph Hambrock, T. L. Wallace, N. O. Leedy, H. J. Kruge, Glen McAtee, J. D. Schwartz, E. S. Bunting. *Front row:* Frank Schlatter, Maurice Cox, Lucy Kopp, Irene Fox, William Melching, Annette Bauman, Frank Quinn, B. M. Kline, Roy Lawrence.

Individual Averages

	G	Ave.
Quinn	18	200.2
Franke	18	182.16
Joseph	18	180.5
Nicole	18	180.3
Cochoit	18	177.5
Kromm	18	176.15
Rapp	15	176.2
Lindemuth	15	174.12
Ponsot	9	174.8
May	18	173.6
Tobias	15	171.2
Wilson, V.	15	169.6
Brooks	18	167.15
Rose	15	167.11
Hemphill	12	167.11
Ranck	12	165.7
Lash	18	164.11
McCullough	18	163.8
Stahl	12	162.11
Archer	15	162.9
Kleemeyer	15	162.4
Hamilton	12	162
Hartman, G.	12	161.5
Byrne	9	161.5
Wyss	18	160.16
Larimore	18	160.15
Meyer, J.	18	160.1
Bushong	18	159.14
Miller	15	159.13
Hoffman	15	159.9
Stute, A.	18	159.3
Kline	18	158
Hott	18	156.1
Koogle	18	155.16
Gitter	18	155.12
Stute, E.	18	153.16
Geller	18	152.6
Mailand	18	151.4
Kroeger	12	150.1
Work	6	149.3
Auer	18	148.11
Graham	18	146.14
Lemper	15	145.9
Adams	12	144
Hartman, M.	18	143.11
Marsh	18	143.11
Meyers, P.	12	143.2
Archbold	18	142.1
Wilson, F.	15	139.8
Batson	18	138.14

High Individual Score

One Game		Three Games	
Nicole	256	Quinn	684
Wilson, V.	252	Nicole	613
Quinn	246	Cochoit	603

High Team Score

One Game		Three Games	
Springs	975	Springs	2630
Nameplates	932	Armatures	2609
Fields	930	Flanges	2572

Apparatus League

Team Standing

	W	L	Pct.	Ave.
Switchgear	11	4	.733	766
Coils	10	5	.667	787
Frames	9	6	.600	768
Test	8	7	.533	784
Armatures	8	7	.533	782
Cost	8	7	.533	765
Engineers	7	8	.467	774
Fields	6	9	.400	778
Bases	6	9	.400	776
Brackets	2	13	.133	746

Individual Averages

	G	Ave.
Schafer	6	199.3
Hoke	15	190.3
Huge	15	183.6
Blomberg	15	178.9
Reese	15	176.6
Laisure	15	176
Johnson	12	172.4
Cunningham	15	172.2
Larenitis	9	171
Foulks	3	170.1
Borchelt	15	167.7
Kellogg	12	166.7
Whonsettler	15	166.4
McDougal	15	166
Zollinger	15	165.5
Leitz	9	162.8
Ulmer	15	162.5
Plaisted	15	162.1
Zeig	15	160
Downie	15	158.6
Rinehold	15	158.1
Henry	15	156.14
Starke	15	156.9
Kaade	15	156.8
A. Braun	15	156.1
E. Braun	15	155.12
Wallace	12	153.11
Spiker	9	153.7
Crowe	12	152.7
Cooper	15	151.8
Koch	15	151.7
Grover	15	150.12
Wehrs	15	150.2
Staley	15	149.8
Head	15	148.13
Weikart	15	147.7
Hickman	15	146.2
Brown	15	144.11
Bohn	15	144.9
Mompers	15	144
Hageman	15	140.1
Kent	9	135.5
Rogers	15	133.13
Stough	15	133.6
Prince	9	132.8
Strodel	9	132.2
Brenner	15	129.12
Goggins	15	128.3
Kellermeier	15	126.14
Hadley	12	105.8

High Individual Score

One Game		Three Games	
Hoke	266	Hoke	637
E. Braun	231	Schafer	621
Huge	224	Huge	599

High Team Score

One Game		Three Games	
Switchgear	930	Engineers	2512
Coils	914	Armatures	2505
Engineers	910	Bases	2501

Winter Street League

Team Standing

Team	W	L
Assemblers	8	1
Cost	8	1
Inspectors No. 1	7	2
Grinders	7	2
Tool Room Dept.	6	3
Production	5	4
Developmental	4	5
Inspectors No. 2	4	5
Automatics	2	7
Fire Dept.	2	7
Enamelers	1	8
Planning	0	9

High Individual Score

One Game		Three Games	
Bennigan	249	Bryan	628
Gehl	243	Schwartz	604
Renier	234	Renier	575

High Team Score

One Game		Three Games	
Assemblers	998	Grinders	2796
Grinders	990	Assemblers	2668
Fire Dept.	905	Developmental	2580

Individual Averages

	G	Ave.
Bryan	9	202.8
Bennigan	6	177.5
Smith	9	173.5
Yoder	9	173.3
Ehrman	9	171.1
Schwartz	9	170.1
Barney	9	169.6
Gehl	9	169.1
Rohler	3	168.2
Kreischer	9	166.7
Renier	9	166.3
Haggenjos	9	164.5
Bunting	9	163.6
Michaelfelder	8	162.6
Mettler	6	158.4
Buhr	9	158.3
Cook	9	157.7
Trautman	9	157.6
Bechtol	9	157.3
Johnson, P. No. 2	9	156.7
Ellinger	9	156.1
Wedler	9	154.5
Ensiedel	9	153.3
Cartwright	8	151.5
Meyer	9	150.8
Burton	9	150.6
O'Keefe	9	150
Mueller	9	146.8
Herney	9	146.2
Watt	9	144.6
Schuelke	9	144
White	9	143.6
Gass	9	141.2
Shaniban	9	140.3
Robinson	9	140.1
Knocke	9	139.4
Billings	9	138.4
McLain	9	136.3
Thurber	9	135.7
Doris	9	131.1
Allmandinger	9	129.8
Castle	9	129
Houser	9	128.6
Hullinger	3	126.1
Johnson, P.-D.	6	123.4
Federspiel	9	123.4
Brighton	9	121.8
Adams	9	121.5
Norman	9	121.4
Johnson, S.	6	118.5
Lange	3	117.3
Haycox	9	115
Gallmeier	9	109.2
Schwanz	9	107.7
Erdman	9	105.1
McGrath	5	105.1
Niblick	9	103
Toney	9	101.1
Walden	9	99.7
Archibald	9	91.4

Foremen's League

Team Standing

	W	L	Ave.
Transformer	8	1	.886
Refrigeration	7	2	.883
Small Motor	6	3	.872
Water Cooler	6	3	.850
Meter	4	5	.855
Tool Supply	3	6	.845
Wire and Insulation	1	8	.848
Duplex	1	8	.820

Individual Averages

	G	Ave.
Rekers	6	195.5
Schwartz	9	180.7
Tobias	9	178.4
Hall	9	177.7
Foellinger	6	177.4
Bunting	9	174.1
Bell	9	174
Haberkorn	9	171.7
Schild	6	170.5
Kelsey	6	170.2
Skevington	9	168.4
Peterson	9	165.2
Schafenacker	9	163.7
Prince	9	163.1
McAtee	9	161.3
Bennigan	9	160.8
Platt	9	160.4
Rockhill	6	160.3
Weitzman	6	160.1
Oberlin	9	159.3
Hermely	9	154.5
Kammeyer	9	153
Kissinger	9	152.2
Herney	9	151.4
Thiele	9	149.1
Gollmer	9	147.6
Sordlet	9	146.8
Wickliffe	9	144.2
Knocke	9	144
Anderson	3	143.1
Kruge	9	142.8
Banks	9	136
Glusenkamp	9	133.5
Klingman	9	133.3
Harrigan	6	133.1
Wyss	9	129.6
Sivits	6	128
Renfrew	9	124.5
Miller	9	118.5
Simpson	6	115

High Individual Score

One Game		Three Games	
Rekers	266	Rekers	643
Skevington	235	Skevington	581
Bell	233	Schwartz	577

High Team Score

One Game		Three Games	
Meter	999	Transformer	2772
Transformer	977	Small Motor	2749
Refrigeration	959	Meter	2696

Girls' Industrial League

Team Standing

	W	L	Ave.
Alter Bros.	8	4	713.8
Coco Cola	8	4	710.2
Paris	7	5	711.7
Cooney Bayer	5	7	699.3
Scheele Nehi	4	8	683
Vogue	4	8	668.5

INDIVIDUAL AVERAGES

	G	Ave.
Rubey	12	178.5
Etzler	12	175.4
Rump	12	175
Kopp	12	164.3
Lackey	12	160.9
Hueber	9	157.5
Hockemeyer	12	150.1
Fuhrman	12	150.7
Fox	9	149.7
Kramer	6	148.2
James	12	145.7
Brady	12	143.4
Weitfeldt	12	143.2
Stirk	12	141.5
Moss	12	138.7
Nash	6	138.1
Bauman	12	136.1
Spath	12	135.8
Brandt	12	134
Knock	12	131.5
Walbaum	9	127.9
Martin	12	125.4
Grimme	9	124.6
Bond	9	119.3
Hopp	9	93.3
Bauer	9	74.1

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Kopp	219	Etzler	571
Rubey	211	Rump	556
James	210	Kopp	549

HIGH TEAM SCORE

One Game		Three Games	
Alter Bros.	879	Paris	2286
Scheele Nehi	820	Alter Bros.	2262
Paris Store	814	Cooney Bayer	2213



DECATUR SECTION

Large Crowd Attends G-E Club Hallowe'en Party

MORE than 350 persons, General Electric employees, their families and friends, attended the Hallowe'en masquerade party and dance which was held in the Knights of Columbus Hall, Oct. 23.

This Hallowe'en party for the General Electric employees of the local plant is an annual occasion.

The party began at eight o'clock and prizes were awarded to the children and adults most cleverly masked. Alice Jean Roop and Dorcas Stalter received the prizes in the children's division, while Joe Kortenber, dressed as a bum, and Edna Bear and Lela Reppert, arrayed as ballet girls, were the adults who received prizes.

The large dance hall was decorated for the occasion with Hallowe'en decorations. The orchestra which furnished music for the evening was surrounded by a rail fence with bright colored autumn leaves. Shocks of corn, a profusion of pumpkin faces, black and orange streamers, cut-outs of cats and owls and other designs in keeping with the Hallowe'en season were used about the hall in appropriate fashion.

At nine o'clock the Grand March was conducted, and a huge cake bearing the inscription "G-E Club" was awarded to Mrs. Henry Neireiter and Clara McBride. Dancing was then enjoyed, with the Dee Fryback orchestra furnishing the music. A moonlight dance was also a feature of the evening's program.

Dorothy Johnston, general chairwoman in charge of the arrangements for the affair, was assisted by the following: Chester Kleinknight and Edgar Steele in charge of the tickets; Carl Smith, Cal Wait, Lorena Reppert, Clara McBride and Ray McDougal in charge of decorations; Joe Kortenber who made arrangements for the hall; William Kohls who was floor manager; and Elsie Bunnegraff and Harry King, judges.

Gecode Club Elects New Officers

A MEETING of the Gecode Club was held in the club rooms of the Decatur plant Oct. 21, at which time a dinner and bridge party was enjoyed and officers were chosen for the next year.

As a result of the election of officers, Fern Passwater was chosen president; Lorena Reppert, vice-president and Katheryn Hyland secretary-treasurer.

Following the election seven new members were initiated into the club. These new members are Erna Lankenau, Katherine Eady, Lois Ogg, Doris Shifferly, Clara McBride, Margaret Waltke and Rosella Inniger.

At 6:30 p.m., a delicious two-course dinner was served to the club members seated at seven small tables which had been placed around the club rooms. These tables were laid with lovely linen and centered with yellow and orange emblems of Hallowe'en. The place cards and tallies, too, carried out the seasonal scheme of the decorations.

After the dinner had been disposed of games of bridge were played, in which Ethel Tumbleson and Margaret Kreicher received high score prize.

Names were exchanged for "Capsule Friend" during the year, and the regular meeting night for club affairs was changed from Wednesday to Monday.



OFFICERS AND DIRECTORS OF DECATUR G-E CLUB

Back row: E. W. Lankenau, director; William Kohls, director; Hubert Cochran, director; Bert Gage, director. *Front row:* Lhonas McIntosh, treasurer; Elsie Bunnegraff, secretary; William Heim, president; Dorothy Johnson, director; Arbie Owens, vice-president.

Service Anniversaries for November

Fort Wayne Plants



Charles F. Brenner



Harry C. Prange

THIRTY-FIVE YEARS

Charles F. Brenner - - November 9, 1896
Harry C. Prange - - - November 19, 1896

TWENTY-FIVE YEARS

Everett E. Miles - - - November 22, 1906
Homer Roehm - - - November 22, 1906

TWENTY YEARS

W. F. Mueller, Jr. - - November 3, 1911
Samuel Agnew - - - November 8, 1911

FIFTEEN YEARS

Wayne Cook - - - - November 2, 1916
Harry E. Underwood - November 2, 1916
John Homrighouse - - November 6, 1916
Ernie Vernia Riley - - November 7, 1916
John A. Ormiston - - November 9, 1916
W. F. Walde - - - - November 9, 1916
Fred H. Barve - - - November 11, 1916
Charles Clawson - - - November 11, 1916
Kenneth L. McDaniel - November 13, 1916
Paul D. Dole - - - - November 13, 1916
George H. Lenz - - - November 13, 1916
William N. Garihan - - November 20, 1916
Dewey A. Erne - - - November 20, 1916
Albert Kigar - - - - November 20, 1916
Walter J. Rauner - - November 21, 1916
H. L. Naden - - - - November 27, 1916
Bertha W. Lange - - - November 29, 1916

TEN YEARS

Olen Swafford - - - November 1, 1921
Germaine Wehrle - - November 9, 1921
Walter Kline - - - - November 14, 1921
Walter G. Larimore - - November 20, 1921
Alice L. Aiken - - - November 21, 1921
Walter Harshman - - November 24, 1921
Zoa Didier - - - - November 27, 1921

Decatur Plant

TEN YEARS

Frank Baker - - - - November 21, 1921
Marion Hoagland - - November 28, 1921
Dora F. Miller - - - November 28, 1921

"BELIEVE YOUR OWN EARS!"



Hear the Radio Tone that Wins the Tone Tests

Equipped with exclusive G-E Tone Equalizer!

THE G-E POPULAR CONSOLE

***List Price $124.75**

Complete with Tubes

****Special Discount to G-E Employees***

COME in and hear this marvelous new radio! It has the glorious tone that carries G-E sets to victory over other leading makes in concealed tone-tests. A brilliant new 9-tube superheterodyne with two Pentode output tubes. Exclusive G-E Tone Equalizer makes G-E Radio tone clear and true.

Improved automatic volume control.

Cabinet is supremely beautiful—walnut, with richly-grained butt walnut overlays.

These features make General Electric the greatest dollar value in radio!

Come in now! Hear this and other great G-E Radios. Priced $37.50 up. There is a G-E Radio for every purse and preference.

Complete Information at Employee's Store

GENERAL ELECTRIC RADIO

FULL RANGE PERFORMANCE

The GE Works News

December 18, 1931



A Christmas Greeting from President Swope

THIS is the end of a trying year for the entire country, for the industry, for the Company, and particularly for the employees, and the most trying part of all, from the standpoint of the employees, is the uncertainty of the days ahead. And yet I am bold enough to come to you and congratulate you on the year's work. I think the solidarity and unity of spirit of the organization have increased, because we have recognized our obligations to our fellow-workers who have been less fortunate than ourselves. Our contributions to the emergency unemployment funds, which have been participated in by the Company to the extent of 50 per cent, have meant more than $1,300,000 to the employees working less than half time, which they otherwise would not have had, and we thus have been able to take care of our fellow-workers without their being a burden on the community. I congratulate all the members of the organization on their loyal and whole-hearted acceptance of this difficult situation, and also on their fine reception of the plan to prevent further lay-offs for lack of work during the coming months.

It is because of this evidence of a fine spirit in the organization that we look forward with confidence to the future. There is no doubt in my mind that industry in general, and the electrical industry in particular, is coming through this depression and that the country will need the contributions that the General Electric Company, as well as other companies, can make. We have the confidence and the courage, and want to make sure that we have the ability, to give adequate service and so deserve a fair share of the business at the hands of the buying public.

I wish to extend my best wishes for a Christmas made brighter because of what each one in the organization has done for others, and the hope that each of us may contribute to a better business for the Company in 1932.

Gerard Swope

President

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Vol. 15 December 18, 1931 No. 12

The Children's Christmas Party and How It Will be Conducted

THE G-E Club Christmas party for children of G-E employees will be held in the club gymnasium on Saturday, Dec. 19. The entertainment for the youngsters this year will be in the nature of a show, so that all of the little guests may be seated comfortably and be able to see everything that is arranged for their pleasure. The gifts will be presented to the children as they file past old Santa's assistants in leaving the gym.

This party is being planned for all employees' children between the ages of four to 15 years. To accommodate all these youngsters, three separate performances of the entertainment are being arranged. Tickets will be marked for the performance at which they will be honored and distinctive colors will be used to keep them separate. The blue tickets will be used for the first performance, scheduled to start at 10:00 a.m., salmon tickets will admit the bearers only to the show at 1:00 p.m. and the white tickets will be used for the final performance at 3:00 p.m. It is essential that the parents observe carefully this time schedule of tickets as almost surely there would be overcrowding at some of the performances if such scheme of equalizing the attendance were not strictly followed.

Another condition which is essential is that the parents be not admitted to the shows. A group of Elex girls will be on hand to take care of the younger children and a number of our Works firemen in uniform will care for those of older age.

Those who have younger children that they wish to leave in the special care of the Elex girls will bring them to the main entrance of the gym and call for them an hour and a half later at the Employment Dept., Bldg. 31, where such youngsters will be taken at the end of the entertainment in the gym.

The older children left in the general care of the firemen will leave the gymnasium at the rear

A Holiday Greeting

Nineteen Thirty-one has been a year of trial and tribulation, bearing for all of us many perplexing problems. The Employees and the Company have endeavored to meet these burdens in a spirit of patience, of tolerance and of mutual understanding.

In full appreciation of this relationship I extend to all my co-workers, for themselves and their families, good wishes for a Merry Christmas and greater joy and happiness in the year to come.

WALTER GOLL

exits and should be met by their parents at Broadway between Bldg. 19 and 21. Each performance of the entertainment is expected to last one and one-half hours.

The program for the entertainment will consist of a Santa's Workshop act, a ventriloquist act, a clown act, and a talking motion picture. Santa Claus, of course, will appear on the scene to supervise the passing out of presents to the children.

With the coöperation of the parents in carrying out this party on the lines as planned by the committee in charge, it is believed that all the children who attend will be able to see and enjoy all of the features of the party, share equally in the distribution of gifts and have a mighty good time.



NEW OFFICERS OF THE G-E FOREMEN'S ASSOCIATION

Front row: Ralph Dolan, president; William Franke, Arthur Kabisch and Fred Banks, vice presidents. *Back row:* M. J. Harrigan, past president, member of board; Herbert Siebold, secretary; Ralph Craig, treasurer.

Foremen Celebrate Thanksgiving and Elect New Officers

THE G-E Foremen's Association held their annual Thanksgiving dinner and election of officers in the dining room of the Works Restaurant on Nov. 25 with approximately 125 members and guests present for the affair. The outstanding feature of the evening, of course, was the wonderful turkey dinner prepared by our Works restaurant and served at 5:30 p.m.

As special entertainment for the evening, the entertainment committee, headed by Fred Schafenacher, had secured the services of the G-E Club orchestra directed by Paul Dannecker; Paul Paca, Hawaiian novelty entertainer, and four pupils of the Violet Reinewald School of Dance, June Rubery, Betty Arney, Virginia Metcalf and Sarah Hodgins, who gave some beautiful solo and group dances. Each number on the musical and dance program was heartily applauded and everyone present thoroughly enjoyed these acts.

Before the election of officers other business was cared for, and in this connection O. J. Mettler, F. M. Metrailer, Charles Penn and J. H. Breidenstein were elected to membership. J. L. Bireley and Chester Lichtenberg, who were elected to membership at the previous meeting, were mentioned in the minutes of that meeting.

In the election of officers the competition was keen. One hundred and twenty-two votes were cast for the head of the ticket with the result that Ralph Dolan, Bldg. 19-5, was elected president with only eight votes majority over his competitor William Skevington, Bldg. 4-1. William Franke, Arthur Kabisch, and Fred Banks were the successful nominees for the three vice presidencies in the association; Herbert Siebold was elected secretary and Ralph Craig treasurer. M. J. Harrigan as past president becomes a member of the board. These new officers will be duly installed at the December meeting of the association and will have charge of all activities during 1932. The outgoing officers of the association are M. J. Harrigan, president; William Wehrs, E. J. Graham, and F. L. Schafenacher, vice presidents; William Altekruse, secretary, and Ralph Dolan, treasurer.

Special guests at this meeting included E. A. Barnes, former general superintendent; William Schultz, William Miller and A. F. Strube, formerly foremen, but who now are retired, and H. J. Muldoon, former president of the association.

In Memoriam

Karl Bezner

KARL BEZNER, 23, who was riding on the motorcycle with William C. Tannehill when Mr. Tannehill was killed in the accident near Columbia City on Nov. 2, died Nov. 10 at the Linville Hospital there from infection following the amputation of his left foot, necessitated by injuries received in the accident.



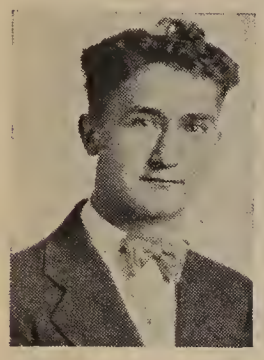
Karl Bezner

Mr. Bezner, whose mother and younger brothers live in Detroit, was graduated from the Case Technical High School there in 1927 and coming to Fort Wayne completed the electrical tester course in our G-E Apprentice School, receiving his diploma as an electrical tester on Jan. 24. After his graduation from the Apprentice School he worked for a time on refrigeration machine inspection at the Winter Street Plant, but at the time of his injury was employed in fract. horsepower motor testing, Bldg. 4-4.

The funeral was held at Columbia City on Nov. 13 with burial in the South Park Cemetery beside the body of Mr. Tannehill, whose companion he was in the fatal accident.

Practical Suggestions Bring Worth-while Awards

A VERY practical suggestion by R. L. Flightner, Order and Stores Dept., Bldg. 18-3, relative to the specifications under which our Company buys rivet steel, brought him $75 award, the largest award paid at Fort Wayne Works during the period Oct. 26 to Nov. 21 inclusive, covered in this report. Mr. Flightner observed that certain details in our specifications for such steel varied from the steel manufacturers' standards and occasioned our paying more for our rivet steel than the manufacturers charged for their standard product. His suggestion resulted in our laboratories changing our rivet steel specifications and worth-while economies were effected thereby.



Eugene Denig



Ray T. Klotz

Mildred Iona Balliet, a leading worker in Bldg. 4-2, received $50 award on her suggestion of an improvement over the method used in tying the stator coils on certain fractional horsepower motors manufactured in Bldg. 4-2. The old plan involved tying the coils with eighth separate pieces of short tape. Mrs. Balliet suggested that a single long piece of tape be used instead of the eight short pieces, and by a scheme of lacing this tape about the coils the work could be done in less time and more neatly with only a single knot involved.

Ray T. Klotz, of Winter Street Plant, conceived an idea that a fixture of a certain kind would be advantageous in holding refrigeration machine compressor assemblies during the impression test. He embodied this idea in a suggestion, such a fixture was tried out and Mr. Klotz was granted $30 in award.

Eugene Denig, of Bldg. 26-5, thought of a practical plan of reducing the expense involved in maintaining the so-called H gauges used in our shops. Under heavy usage such gauges unpreventably are reduced in size. Mr. Denig suggested that the center arm of such gauges be left unhardened so that when the hardened contact surface became worn the gauge might be restored to size by stretching the unhardened center part. He received for this practical suggestion $25 in award.

Other awards granted on suggestions since our last published report are as follows:

Rolland Fawcett and Stanley Emery.....Bldg. 26-1 $ 5
Providing testing fixture for luminous tube transformers in Bldg. 26-1.

Clarence E. Wagner....Bldg. 26-1 5
Providing additional equipment for handling trays in Luminous Tube Transformer Section, Bldg. 26-1.

Albert R. Flory.....Winter St. 5
Providing special push collars for Gridley automatics at Winter St. Plant.

Robert Renier.....Winter St. 5
Installation of wash tanks for bearing plates.

Jas. B. Grogg.....Bldg. 19-4 5
Providing check spot on GAX discs.

Eldon L. Braden.....Bldg. 26-2 5
Rearrangement of control switches on winding machines in Bldg. 26-2.

Paul P. Schible.....Bldg. 4-1 5
Installation of shield at lathe 2511 in Bldg. 4-1.

Harry Zimmerman.....Bldg. 19-4 5
Marking resistance on certain coils in the Meter Division.

Luke J. Martin.....Bldg. 26-2 5
Improvements to material containers at certain winding machines in Bldg. 26-2.

Paul Taylor.....Bldg. 26-1 5
Use of temporary covers for transformers during the pouring operation.

Mark A. Hennigh.....Winter St. 5
Use of special trays for the inspection of springs.

Joseph J. Koble.....Bldg. 26-2 5
Improvements at air press in Bldg. 26-2.

Harold George.....Bldg. 26-4 5
Changes to punch and die for M-14 bearing plates.

Fred Kammeyer.....Bldg. 19-4 5
Improvements in the method of soldering and wrapping M-14 coils.

Lena Bauer.....Bldg. 19-4 $5
Installation of guard at winding machine 10329 in Bldg. 19-4.

Melvin Payne.....Bldg. 26-4 5
Rearranging grinders in Bldg. 26-4.

Geraldine Crandall.....Bldg. 26-2 5
Improvements at coil assembly bench in Bldg. 26-2.

Lawrence Suelzer.....Bldg. 26-4 5
Improvements at die casting bench in Bldg. 26-4.



Mildred Balliet



R. L. Flightner

James R. Brittin.....Bldg. 19-5 5
Changes to panel racks in Bldg. 19-5.

L. P. Goehler.....Winter St. 5
Improvements at machine 20363 and 11745 at Winter St.

Wm. F. Meyers.....Winter St. 5
Changes to operations in cementing gaskets M-3562204.

Robert C. Paul.....Winter St. 5
Improvements at conveyor in Reconditioning Section.

Rex. Kirkby.....Bldg. 17-4 5
Furnishing sub-plate for jig borer used in the Tool Division.

E. D. Mills.....Winter St. 5
Providing combination tool for sealing and cutting seal wire.

Gerald Schaefer.....Winter St. 5
Improvements to control switch in dust collector room, Bldg. W-2.

Eugene Weaver.....Bldg. 4-2 5
Improvements at benches in Bldg. 4-2.

Lloyd Ernst.....Bldg. 4-2 5
Furnishing additional air hose at benches in Bldg. 4-2.

Edwin C. Rodenbeck...Winter St. 5
Providing guide rail at conveyor at Winter St. Plant.

Hilda Lake.....Bldg. 4-4 5
Changes to arbor for wax cord.

Russel H. Carpenter....Bldg. 4-6 5
Changes in practice pertaining to the cutting of felt washers.

Julius J. Warnement...Winter St. 5
Improvements to turn table at spray and cleaning booth.

Dewey Day Parkison...Winter St. 5
Providing welding jig for capacitor support on DP-3 refrigerating machines.

Henry Muller . . . . . Bldg. 27 $5
Furnishing pressing fixture for DP-3 cases.

Fred C. Weimer . . . . . Bldg. 26-5 5
Improvement to die for evaporator shells.

Keith L. Miller . . . . . Bldg. 21 5
Providing combination drilling fixture for port opening.

Edward Shoup . . . . . Winter St. 5
Providing rack and caps for threaded arbors.

James V. Young . . . . . Bldg. 20-1 5
Installation of stop valves at lavatories in Bldg. 4.

Edna A. Schott . . . . . Winter St. 12.50
Use of insulite waste for crating.

Charles Herzor . . . . . Bldg. 4-4 5
Improvement to container for washing small parts in Bldg. 4-4 stock room.

George K. Morton . . . . . Bldg. 4-2 5
Improvement to testing fixture drawing M-3563340 and M-4284700.

William H. Irwin . . . . . Bldg. 4-2 10
Changes to the drilling operation on certain gear hub in Frac. Hp. Motor Division.

George C. Haggenjos . . . Winter St. 5
Improvement to spray booth at D-3 assembly line.

Don Clem . . . . . Winter St. 5
Installation of grinder in Reconditioning Section.

Walter Konow . . . . . Bldg. 26-5 5
Combining die for DP-3 baffle.

True W. Sheets . . . . . Bldg. 4-2 5
Improvement at sound coop in Bldg. 4-2.

Donald H. Voorhies . . . . Winter St. 5
Improvements at conveyor rack in 100-degree test room.

Manuel S. Fernandis . . . Winter St. 5
Improvements to certain operations on heater tubes.

Fred H. Kammeyer . . . Bldg. 19-4 7.50
Improvements in the method of winding certain coils in the Meter Division.

Leroy M. Crider . . . . . Winter St. 10
Providing additional testing equipment for DR-3 icing units at Winter St. Plant. (This award is additional to a previous award of $75.00.)

Harry Zimmerman . . . . . Bldg. 19-4 5
Changes to IAC relay contacts and adjusting plate contact block.

Harmon L. Boysell . . . . . Winter St. 5
Providing three-prong plug-in at test at Winter St. Plant.

F. E. Ashbaugh . . . . . Bldg. 19-4 5
Changes to leads on GAX relays.

Wayne C. Watt . . . . . Winter St. 5
Changes in the method of brazing check valve bodies.

Chas. W. Gatton . . . . . Winter St. 5
Providing device to facilitate the grinding of dowel pins at Winter St. Plant.

G. H. McDonald . . . . . Bldg. 19-4 $5
Changes to spring on AC and DC PD-5 demand meters.

Claude L. Bickhart . . . . Bldg. 19-4 7.50
Changes to regulator mechanism on AC-1 recloser motors.

Edward J. Cade . . . . . Bldg. 19-4 5
Providing a locking device on C-11 segment gear shaft.

F. E. Ashbaugh . . . . . Bldg. 19-4 5
Providing lock washers on contact retaining screws on certain timers.

Wm. H. Molthan . . . . . Bldg. 26-4 5
Omitting reaming operation to remove burr on parts per drawing 3523003.

Emmett M. Rasor . . . . . Winter St. 5
Improvement at conveyor in sandblast room at Winter St. Plant.

Walter J. Frederick . . . . Bldg. 19-4 5
Changes to rivets on certain thermostat parts.

Jasper L. Smith . . . . . Winter St. 5
Installation of permanent ladder in welding room at Winter St. Plant.

Walter J. Frederick . . . . Bldg. 19-4 7.50
Changes to fixture 6842 M-1.

Wm. L. Fisher . . . . . Bldg. 26-4 5
Improvement to thread roller in Bldg. 26-4.

Jasper L. Smith . . . . . Winter St. 5
Improvement to welders in Refrigeration Division.

Dorris D. Proxmire and Walter L. Niemeyer . . . . . Bldg. 19-4 5
Changes in the method of holding leads on M-17 demand meters.

Louis C. Brunner . . . . . Bldg. 26-1 5
Improvement in the method of pouring certain luminous tube transformers in Bldg. 26-1.

Clarence E. Wagner . . . . Bldg. 26-1 5
Improvements in the method of placing covers on certain transformers in Bldg. 26-1.

Ed. Arthur . . . . . Bldg. 19-4 5
Changes to certain retaining screw on the IAC11A1 relay weight.

The Children's Christmas Party

Saturday, Dec. 19, 1931

PERFORMANCES

10:00 a.m. - - - Blue tickets

1:00 p.m. - - - Salmon tickets

3:00 p.m. - - - White tickets

Lester Arnold . . . . . Bldg. 26-1 $5
Use of special contact block in testing certain transformers in Bldg. 26-1.

Chauncey C. Buell . . . . . Bldg. 19-4 5
Installation of guard at test oven in Bldg. 19-4.

Fred H. Kammeyer . . . . Bldg. 19-4 7.50
Changes to tool 6837-M-1 used in the Meter Division.

Wehler W. Porsch . . . . . Winter St. 15
Changes to sets for riveting fixtures.

Robert F. Dressel . . . . . Bldg. 26-3 5
Changes to filament coil cutting device used in the Transformer Division.

Daniel S. Yoder . . . . . Bldg. 26-4 10
Changes to spring 640893 used on M-16 and M-17 demand meters.

Emmett M. Razor . . . . . Winter St. 5
Improvements to conveyor at washer at Winter St. Plant.

Gilbert B. Harvey . . . . . Winter St. 5
Changes at conveyor in Bldg. W-1-2.

Albert Adams . . . . . Winter St. 5
Installation of guard at grinder.

H. E. Hawthorn . . . . . Bldg. 20-1 5
Installation of gear guard at grinder in Bldg. 27.

Fern M. Wolfe . . . . . Bldg. 26-2 5
Providing containers at capacitor assembly.

Fern M. Wolfe . . . . . Bldg. 26-2 5
Riveting instead of soldering jumpers on certain transformer terminal boards.

Nora C. Coburn . . . . . Bldg. 26-2 5
Improvement at inspection bench Bldg. 26-2.

Earland Hoffacker . . . . . Bldg. 26-B 5
Providing guard on die 4285411.

E. G. Bunting . . . . . Winter St. 5
Changes at platform at dustproof room at Winter St. Plant.

L. J. Hesse . . . . . Winter St. 5
Improvements to conveyor bucks for D-48 units.

Roy Schuckel . . . . . Winter St. 5
Providing box for draining oil from parts.

William H. Irwin . . . . . Bldg. 4-2 5
Salvaging certain oil cup supports by remachining.

Sylvester LaFountaine. Winter St. 5
Installation of relief valve at charging booth.

Johnnie M. Sowers . . . . . Bldg. 20-1 5
Improvements to hipot panels used in the Refrigeration Division.

Lloyd V. Harshman . . . . Winter St. 5
Improvement at box top reconditioning table.

Oscar Hobrock . . . . . Bldg. 18-5 5
Providing spool rack at brush assembly in Bldg. 19-5.

Darrel Bolds . . . . . Winter St. 5
Installation of suction system at saw at Winter St.

Two Join Quarter Century Club

NOVEMBER 22, 1906, is the date from which two employees of the Fort Wayne Works are credited with continuous service and therefore Nov. 22 of this year was the date on which these men, E. E. Miles, assistant production manager, Bldg. 18-3, and Homer Roehm, inspector, Bldg. 4-4, completed 25 years' continuous service.



Homer Roehm



E. E. Miles

Mr. Miles joined the General Electric organization just after his graduation from Purdue University in June, 1904. H. E. Crane was then head of the Construction Dept. here and after several months' service as a student engineer Mr. Miles was taken into the Construction Dept., as an estimator on poleline costs in connection with propositions our Works was then handling on municipal lighting installations. He continued in this work until 1906 when he accepted a proposition from a New York contracting firm to go to Colon in the Panama Canal Zone on certain engineering work. Although Mr. Miles was in Panama only a short time this outside employment created a break in his service with General Electric and his continuous service dates from Nov. 22 of the same year when he returned to Fort Wayne and again took up work in the Construction Dept. preparing contract data sheets and sub-contracts on municipal propositions. After the Fort Wayne sales organizations were discontinued and Mr. Crane was placed in charge of production at about 1915, Mr. Miles was made chief clerk in the Production Dept., continuing as such under H. E. Stocker who succeeded Mr. Crane as production manager. When J. H. Evans was placed in charge of production, Mr. Miles was made head of the Apparatus production. On Jan. 1, 1921, Mr. Hunting, the general manager, appointed Mr. Miles as supervisor of inventory. After Mr. Hunting left our organization in the summer of 1922 and Mr. Evans was appointed Mr. Goll's assistant, Mr. Miles was appointed assistant production manager and since then has been actively in charge of production matters at our Fort Wayne Works.

Mr. Roehm, who has been an inspector for all of his service here at General Electric, recalls that he actually started work here on Oct. 1, 1906, but an illness which occurred recently was so extended that approximately two months of such absence had to be deducted in computing continuous service, so his 25 years was completed on Nov. 22. When he started here in 1906, Mr. Roehm first worked in the Prepayment Meter Dept., then located in one of the early brick buildings which antedated as a storeroom, the old frame structure that many will remember as standing on the location of our present Bldg. 6. Mr. Roehm tells us that his work as an inspector has occasioned his working in nearly all the buildings of our main plant east of Broadway. His present assignment is in Bldg. 4-4.

Coming Club Events

DECEMBER 19 is the date for G-E Club's Christmas Party —separate performances at 10:00 a.m., 1:00 p.m. and 3:00 p.m. We trust you will see that the youngsters attend.

For Dec. 26 and Jan. 2, no general club entertainments are planned.

On Jan. 9, the gymnasium will be the scene of another of the popular G-E Club dances.

On Jan. 16 there will be a free motion picture show.

On Jan. 23 there will be another motion picture show.

It is planned to have some form of free entertainment each Saturday evening in the G-E Gym but further announcements will be made later.

Spring Term of Night School to Start Jan. 4

CLASSES in the spring term of the G-E Night School will start during the week of Jan. 4, and the courses which will be offered are given below. Night school booklets describing the various courses will be available at the desks of the foremen in our Broadway and Winter St. plants and each booklet also will contain a class schedule and enrollment blank. Enrollments through our factory departments will be taken on Dec. 30. If you have any questions to ask about these courses, make it a point to see the solicitor who will visit your department on that day. He may be able to advise you what courses you would find most beneficial and will be glad to give you any assistance that he can. Enrollment also may be made at the first meeting of the respective classes and everyone interested in a course should be present at the first meeting of the new term.

SPRING TERM 1932 CLASS SCHEDULE

Course	Hour	Day	Room	Bldg.	Instructor
Arithmetic and blueprint reading	5:15–7:15	Tues	Room 2	12–3	G. H. Gettel
Algebra—term 1	5:15–6:45	Tues	Room 3	12–3	R. L. Hupp
term 2	5:15–6:45	Mon.	Room 3	12–3	R. L. Hupp
Trigonometry—term 1	5:15–6:45	Thurs.	Room 3	12–3	R. L. Hupp
term 2	5:15–6:45	Wed.	Room 3	12–3	R. L. Hupp
Machine Shop practice	5:15–7:15	Wed.	Room 2	12–3	H. G. Siebold
D-c. electricity—section 1	5:15–7:15	Tues.	Room 1	12–3	A. M. Smith
section 2	5:15–7:15	Mon.	Room 1	12–3	A. M. Smith
A-c. electricity—section 1	5:15–7:15	Thurs.	Room 1	12–3	A. M. Smith
section 2	5:15–7:15	Wed.	Room 1	12–3	A. M. Smith
Mechanical drawing—term 1	5:15–7:15	Wed.	Room 4	12–3	G. H. Gettel
term 2	5:15–7:15	Thurs.	Room 4	12–3	G. H. Gettel
term 3	5:15–7:15	Fri.	Room 4	12–3	G. H. Gettel
Gear design	5:15–7:15	Mon.	Room 4	12–3	G. H. Gettel
Cam design	5:15–7:15	Mon.	Room 4	12–3	G. H. Gettel
Business English	5:15–6:45	Fri.	Room 3	12–3	H. O. Makey
Public speaking	5:15–7:15	Wed.	S. Dining Room	16–2	Walter Sunier
Elementary typewriting	5:15–7:15	Wed.	Serv. Bureau	16–3	Grace Phillips
Advanced typewriting	5:15–7:15	Tues.	Serv. Bureau	16–3	Grace Phillips
Elementary comptometry	5:15–7:15	Thurs.	Payroll Dept.	18–2	Ruby Kuhn
Advanced comptometry	5:15–7:15	Mon.	Payroll Dept.	18–2	Ruby Kuhn

GENERAL ELECTRIC NEWS
FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Company in the interests of the employees of the Broadway, Winter Street, and Decatur Plants.

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J. E. Hall.....Quarter Century Club

Vol. 15 December 18, 1931 No. 12

The Christmas Spirit

THE days before Christmas are filled with happy anticipation. It is quite evident as we note the kind, cordial manner of our fellow workman and experience the pleasant thrill of fellowship as we return his kindness with equal fervor. Everyone seems to radiate the feeling of "peace on earth, good will toward men." It's the "Christmas Spirit" and it's very contagious. Not even the most hard boiled are immune from it, although they may try to surround themselves with a veneer of indifference.

Let us retain this feeling of congeniality and good fellowship throughout the year. With such sincere solicitude for our fellowman we are sure to think of his safety and happiness, thus making this chaotic old world a safer and happier place in which to live.

Call Mr. Melching When You Have an Odd Job

AS A MEANS of assisting our co-workers who are laid off, or are working only part time, our Works manager has asked Mr. Melching of the Employment Dept. to act as agent for these unemployed to bring to their attention such odd jobs as others here at General Electric may have to offer. If you have an odd job at any time call Mr. Melching and he will see that some unemployed G-E person reports to do the work. Such miscellaneous employment means much to many in these unhappy times and our co-workers who are in need will appreciate every opportunity to earn a bit of money.

The Company Subscribes For Many Magazines

EXACTLY 41 different magazines will be taken by the Company here next year to keep employees of the Fort Wayne Works informed of developments along lines in which it is desirable that they have current information.

Sixteen of these magazines will come regularly to the Works Library, Bldg. 18-3, just across the bridge from the Works Restaurant, where they may be borrowed by anyone employed in our Broadway, Winter Street or Decatur Plants. Also, in the Works Library is an index to all of the articles in the leading business, scientific, and technical magazines, which gives wonderful help in finding information on specific problems. The library, too, has a large number of books and back files of a number of magazines, and many more people can be served with the material here available.

The period of business and industrial depression that we have been undergoing has shown many the desirability of being well equipped in order to be more nearly indispensable on the jobs where they are employed. Whatever one's work or training, it seems evident that one may well use the library for such information and help as it can give.

Published below is a list of the magazines available in our Works Library to all G-E employees. We are also giving a list and the location of magazines subscribed to for the particular use of departments, as no doubt such magazines will be available to anyone who has special occasion to refer to them.

MAGAZINES IN WORKS LIBRARY

American Machinist
Bell System Technical Journal
Electrical Engineering
Electric Journal
Electrical Manufacturing
Factory & Industrial Management
General Electric Review
Instruments
Machinery
Mechanical Engineering
Official Gazette of the U. S. Patent Office
Plastics and Moulded Products
Product Engineering
Scientific American
System
Transactions of the A.I.E.E.
Industrial Arts Index

MAGAZINES IN SPECIAL DEPARTMENTS

Aërologist
Chester Lichtenberg

(*Continued on page 14*)



KEEP IT UP ALL YEAR AND THERE WILL BE LESS ACCIDENTS AND UNHAPPINESS

Absent Employees

William Puetz, Small Motor Dept., Bldg. 17-2, who has been unable to be at work for several months, recovered sufficiently from his two serious operations to sail Dec. 6 for a six months' visit to his home in Germany.

Earl Fredericks, Small Motor Divison is a patient at the Lutheran hospital receiving treatment for gunshot wounds in the leg, received on a hunting trip.

Mrs. Lavada Schlup, Small Motor Dept., and Nora Cooper, Transformer Dept., are patients at the St. Joseph Hospital recovering from operations.

Mrs. Golda Mentzer, Transformer Division, is now at her home 1115 Archer Ave. recovering from a serious operation. Josephine Chapman of the same Division has been unable to work for several weeks on account of sickness.

Wilmer Golden, Bldg. 27, is confined to his home at 342 W. Masterson Ave. because of gunshot wounds received while hunting. Thomas Watson of the Shipping Dept. is unable to be at work because of injuries received recently in an automobile accident.

The General Electric Heat Regulator

New Home Product Bearing G-E Monogram Makes Possible Constant Room Temperature With Less Consumption of Fuel Than by Any Other Method

HERE is a new device for the home, bearing the G-E monogram —the General Electric Heat Regulator, announced by the Penn Heat Control Company, of Philadelphia, a subsidiary of the General Electric Company.

This device is for coal, coke, oil and other hand-fired furnaces, central plant heat, and for apartments. Its greatest market is as a regulator for dampers on hand-fired furnaces. Here it controls house heating so that room temperature is at all times *constant*. It does this by means of a special "floating" damper control—with less consumption of fuel than is in any other way possible.

The "floating" damper control is exclusive with the G-E Heat Regulator. It "floats" the damper doors to the exact positions between open and closed —three-quarters, one-half, one-quarter, one-tenth open—at which full value is derived, every hour of the day and night, from the fuel used.

Its operation on central plant heating is similar—"floating" control being maintained over the steam valve, and the supply of steam to the house regulated so that at all times the amount of steam used is proportionate to the temperature requirements.

For oil burners a distinct type of the regulator is manufactured, differing in mechanical construction from the regulator for hand-fired furnaces, gas, and central plant heat. Because this is installed as an integral part of the oil burner, these regulators are sold by the Penn Heat Control Company directly to the oil burner trade. Sixty-five oil burner manufacturers are already using G-E Heat Regulators, and 12 of these are standardizing on them. Manufacturers of more than 50 per cent of all oil burners made in the United States offer G-E Heat Regulators as standard or optional equipment.



The double-range thermostat with the $125 model

The single-range thermostat, with the $85 model

In the G-E thermostat is a sensitive coil—technically termed a preheat coil—which anticipates the rise in room temperature as heat is increased, and slows down the furnace, or other heat source, as the selected temperature is approached. This preheat coil works in connection with the floating control and doubly assures evenness of temperature and economy.

The thermostat is neat, small, and unobtrusive. It is beautifully finished in dull bronze and is regulated by a radio-type dial.

A special safety device, called the *fail-safe,* eliminates dangerous overheating if the electric current should fail at any time and for any reason.

For example: The thermostat is calling for heat. The G-E Heat Regulator opens the damper and permits full draft. The current fails. Automatically, with this regulator, the damper is *closed,* and over-generation of heat and the burning out of the fuel, is prevented. During failure of current, the G-E Heat Regulator allows the damper to be operated by hand until the current is restored, when, without further attention, the regulator automatically reassumes the position it had at the time the power failure occurred.

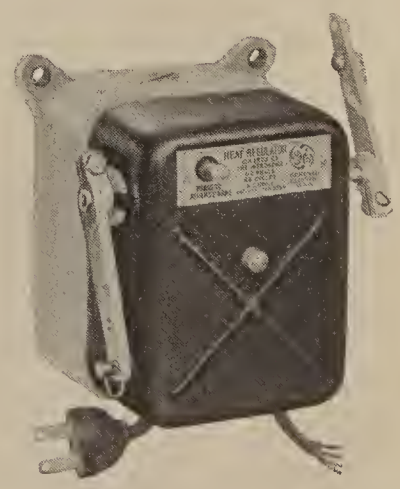
With all these features, it costs the user no more than other heat controls. It is easily installed on any heating system, whether the latter is already installed or in a building under construction. It operates on ordinary a-c. house lighting current. The installation costs average about five dollars.

There are two models, at prices of $85 and $125 respectively—prices which compare favorably with those of other heat controls. Equipment and material for installation are included in the price.

(*Continued on page 6*)



Closed view of control unit with double-range model



Closed view of control unit with single-range model

General Electric Takes to the Air

Monoplane to be Used for Demonstrating and Developing G-E Plane Control and Navigation Devices Christened by Unique Method



Betty Miller christening the G. E. plane with a bottle of "Nothing". Her father, W. W. Miller, Manager Industrial Dept. is standing immediately to her left.

INSTEAD of the customary bottle of champagne, or jug of water from the seven seas, a large bottle of "nothing" was exploded with a sharp report to send General Electric's new airplane into the air on Dec. 3 at Schenectady. In christening the new plane "General Electric," Elizabeth Miller, daughter of W. W. Miller, manager of the Industrial Dept. of the Company, used a large glass bulb from which the air had been pumped, creating a vacuum as perfect as possible. The ceremony was broadcast by WGY and the General Electric's short-wave station W2-XAD.

But despite the best efforts of laboratory workers to produce a bottle of "nothing" for the dedication ceremonies, the shattering of the five-inch bulb released into the atmosphere of the airport 370 quadrillion molecules of various gases, including five million molecules of xenon, a gas so rare that only a few cubic centimeters of the pure gas are in existence. Proportionate quantities of oxygen, argon, carbon dioxide, neon, helium, and krypton also had their part in the christening explosion.

The ceremonies were occasioned by the active entry of General Electric into the air through the purchasing of a Stinson Wasp-Junior monoplane to be used in demonstrating the numerous instruments developed by the company for aeronautics. The craft's equipment is unique in that all but two instruments and a clock are electrically operated.

The blue and gold high-wing cabin monoplane was flown from Detroit by A. H. French, Jr., head of the company's aeronautics department. In the next few days the ship will be equipped with automatic steering—a General Electric device that enables the pilot to set the controls on a predetermined heading and give his attention to duties other than steering the ship. For receiving weather reports and making contacts with radio range beacons and broadcasting stations, radio apparatus will be installed—all equipment synchronizing in a system of air navigation designed by General Electric engineers to make possible safe air travel under all sorts of conditions. A sonic altimeter supplements radio and instrument indications, operating on the sound-echo principle, and giving the pilot an accurate indication of his height above the ground, even though he is flying in fog or darkness.

The airplane is powered with a Pratt and Whitney, radial air-cooled, 300-horsepower engine, employing a G-E supercharger. By means of a thermocouple-type electric engine temperature indicator and a selector switch the pilot can determine the head temperature of any one of the nine cylinders at any time. The instrument is sensitive enough to indicate accurately any rapid changes in cylinder temperature. Other electric devices used, developed and manufactured by General Electric, include a magneto compass, card compass, drift indicator, turn indicator, tachometer, oil temperature indicator, oil pressure indicator, voltammeter, control pulleys, wing-edge landing lights, and an oil immersion heater.



E. G. Havens, W. W. Miller and A. H. French, Jr., standing beside the New Plane

G-E Hotpoint Rubber Heating Pads

THE General Electric Hotpoint rubber heating pad is now available to employees at the local Employees' Sales Store.

This heating pad will be found a great convenience wherever the comfort of applied warmth is desired. It is always ready for instant service and because of its flexibility will be found to fit most comfortably upon various parts of the body. There is no interference from moisture, consequently the pad will be helpful for use with hot packs. It is easily washed and sterilized.

The pad consists of a thermostatically controlled heating element imbedded in soft pliable rubber. It has a minimum life of 3000 hours with an average temperature of 135 deg. F. Contact with the electric

(*Continued on page 11*)



A General Electric Refrigerator—The Ideal Christmas Present

NOW that Christmas is so near at hand we are faced with the problem of providing a suitable gift for the family. Today, more than ever before, we appreciate the necessity of providing practical gifts. Naturally, a family gift should benefit every member. Unconsciously, our choice is a concrete expression of the wish we put into words—"A Merry Christmas and a Happy New Year."

Nothing better fulfills the requirements for an ideal gift than a General Electric Refrigerator. This is especially true for employees of the Company because, until Dec. 31, any employee may purchase any model at an extra discount of five per cent in addition to the regular employee discount with the added advantage of no down-payment and as long as two years to pay.

Several hundred employees have already taken advantage of this remarkable opportunity and are now sharing in the pride, health, comfort and economy enjoyed by over a million other enthusiastic users.

Decide now to give your family the dependable protection and healthful convenience of a General Electric Refrigerator. It will make for a "Merry Christmas and a Happy New Year" this year and for many years to come.

To take advantage of this extra discount and no down-payment privilege, place your order through your employee store or order department before Dec. 31.

They Saved Mike's Eyes

Mike Boyagian's Goggles

WHEN Mike Boyagian, Everett Works furnace man, put on his goggles before tending a ladle of molten metal one Thursday in September, he little thought how important this simple act of caution was to prove to him, for Mike, who has been on the job, for nearly six years, is a sensible man and long ago became so used to following the safety rules that they are now second nature to him.

Some of us, when we become used to a hazardous job, get careless about it, but not Mike.

Which is why Mr. Boyagian is still able to see his wife and the four little Boyagians when he comes home at night to 633 Harrison Ave., Boston. For he had no more than started to work when the metal spattered and a large drop of the white-hot stuff struck each lens of his goggles, cracking them badly but, since they were of laminated safety glass, did no harm to his eyes. Strangely enough, no metal struck his face, so that he came off scot-free from what must otherwise have been a disastrous accident.

Take it from Mike, safety pays!

Visit the Employees' Store for Christmas Gift Suggestions

West Lynn Still Leads in Safety Contest

THE report of the Inter-Works Accident Contest at the end of October shows West Lynn maintaining its lead in Division 1 while Meriden has ousted Erie for first place in Division 2. Oakland has dropped two places in Division 1 allowing Philadelphia to come into second place. The standings of the various plants follow, an asterisk denoting improvement over the previous month:

Division 1	Division 2
*West Lynn	*Meriden
*Philadelphia	Erie
*Fort Wayne	ALL PLANTS
Oakland	*Bridgeport
Pittsfield	*River Works
*Bloomfield	Schenectady

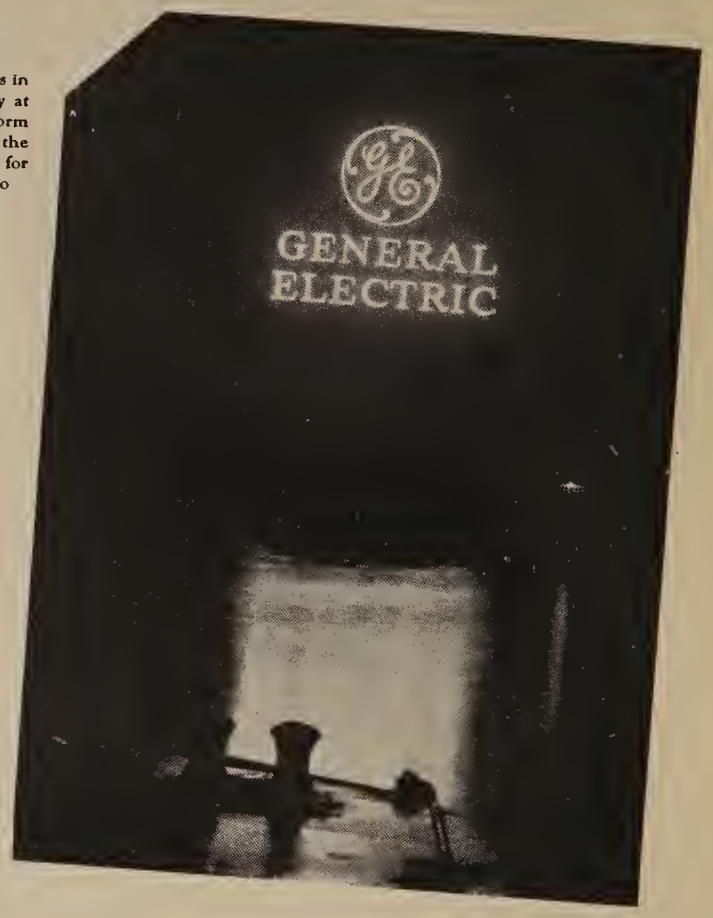


Mike Boyagian and His Goggles. Do You Wonder He Smiles?

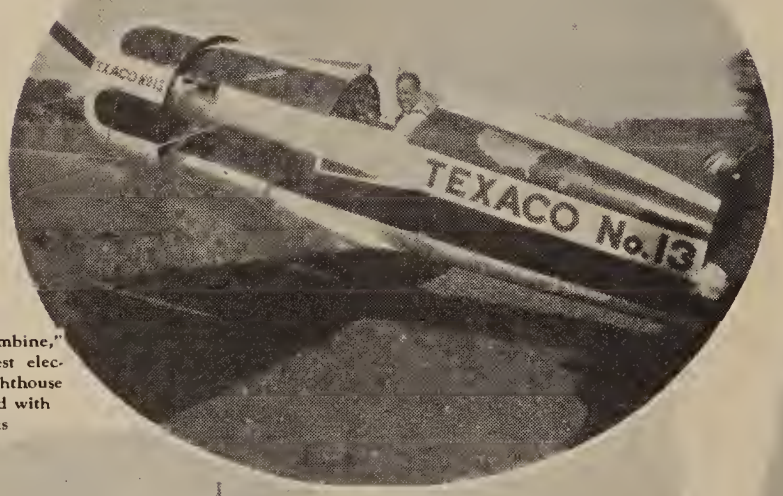
Here and There With General Electric



Left: These aluminum balls in the high voltage laboratory at the G-E Pittsfield Works form the largest sphere gap in the country. They are used for measuring pressures up to 3,000,000 volts.



A view of Chicago's brightest sign which is situated on top of the G-E Service Shop. At night the glowing Monogram is visible for miles



Left: Captain Frank Hawks, speed ace, photographed during a recent stop at Schenectady. His plane, a Travel-Air "Mystery Ship," is equipped with a G-E supercharger

Below: The "Columbine," Uncle Sam's newest electrically propelled lighthouse tender, is equipped with G-E apparatus





Above: A unique drinking fountain in a unique theater. This fountain, operated by a G-E photoelectric relay, is the source of much entertainment to the patrons of the Studio Theater, Hollywood, Cal.

Around the World with General Electric

Australia

Another G-E veteran product with a service record of over 25 years has been reported from Australia. This old-timer, a G-E motor, type CA, left the G-E Lynn River Works early in the fall of 1901, and until recently nothing had been heard of it. A short time ago, however, the Australian G. E. was asked to make some minor repairs on it and it was then that the long service record was discovered. The motor has been in constant operation since its installation 30 years ago and is still performing satisfactorily.

Dallas

An interesting feature of the recent meeting of the American Bottlers of Carbonated Beverages, held at Dallas, Texas, was the "First National Bank" exhibit contributed by the G-E Research Laboratories. The "First National Bank" consisted of a coin on a tray behind which was a thyratron tube and a relay. When a person's hand approached the tray to remove the coin, the thyratron tube actuated the relay causing an alarm to ring. When the hand was removed the bell ceased its ringing. In addition to this unique exhibit, a complete line of G-E motors and control equipment was shown.

New York

"Old Algiers" and "Old London," located in New York, are two of the famous chain of Childs Restaurants. The names of these establishments are derived from their respective schemes of interior decoration. The kitchens of "Old Algiers" and "Old London" have been completely equipped with G-E electrical apparatus which, not only, will aid materially in better serving the many patrons of the establishments, but will save approximately $4350 a year, it is estimated by the managements of the restaurants.

United States Bureau of Lighthouses

The second electrically-propelled lighthouse tender, the *Columbine,* built for use by the United States Bureau of Lighthouses, successfully completed its trials a short time ago and will soon go into service on the Pacific coast. The boat which is of steel construction, has a power plant consisting of two Atlas Imperial Diesel engines which drive two G-E generators that supply electricity for all purposes including propulsion, lighting, and the operation of auxiliaries. The *Columbine* is driven by a single-screw propeller direct-connected to a 240-hp. G-E driving motor operating on 500 volts at 350 rpm. The entire electrical equipment is of G-E manufacture.

Hollywood

Drinking fountains in theaters have customarily been treated as homely necessities, but in the Studio Theater in Hollywood, California, a drinking fountain has been made one of the outstanding features. The fountain is of strictly modern design with gaily colored fish cavorting on the back wall and a G-E photoelectric relay operating the drinking mechanism. An ornamental sign bears the words "Stoop to drink—water bubbles automatically" and patrons who follow the directions are rewarded with an ice cold drink.

Adirondack Mountains

Automobilists riding along the road which winds and twists through the villages of Old Forge and Raquette Lake cannot help but notice the manner in which these communities have provided for adequate highway lighting. G-E lighting units mounted on rustic cedar poles harmonize with the rugged countryside in the daytime and at night cast an even glow on the tree-lined highway, which is one of the scenic routes of the Adirondack Mountains.

Colombia

Domestic science would seem to be a subject of considerable interest to the women of Barranquilla, Colombia, judging from the record attendance at the recent cooking classes held there under the auspices of Cia. Colombiana de Electricidad. The first class was held in Hotel Prado but inasmuch as this building was unable to accommodate the crowd of from 300 to 400 interested housewives, the meetings were transferred to the Apollo Theater. The balcony of the theater was reserved for servants. G-E electrical cooking apparatus, refrigerators, and laundry equipment featured the demonstration.

Jackson, Mich.

A series of 16 waterfalls down the side of a 70-foot hill will be set out against the blackness of the night by brilliant changing colors when Prado-El-Capitan, Jackson's outdoor beauty place, is completed next spring. In the finished project, cascading water will start at the top of the hill and continue through a series of formal falls and pools to the bottom of the incline. The beauty of the pools will be greatly heightened by G-E illuminated electric fountains and batteries of G-E floodlighting projectors will transform the many falls into rippling curtains of light.

Lake Placid

Sports enthusiasts in this country will have, within the next few months, their first opportunity to witness the crack Olympic winter competitions without traveling to Europe. Set amidst the scenic beauty of the Adirondack Mountains, the little village of Lake Placid will be the center of the 1932 international winter games when the Olympics open there next February. A battery of 29 G-E floodlighting projectors will allow those in attendance to watch the extensive night program scheduled.

General Electric in the "Vanities"

In Earl Carroll's New Playhouse G-E Thyratron Apparatus Controls the Lighting Both for the Stage and the House

THE name of Earl Carroll has long been synonymous with novel arrangements, elaborate fittings, and pulchritudinous chorus girls. Thus, the new Earl Carroll Theater, located at Seventh Avenue and Fiftieth Street, New York City, might be said to be symbolic of the theatrical conceptions of its namesake. It is elaborate. The walls are covered with black velvet, marked with shades of coral, and the curtain is silver, gray, black and salmon. The ceiling is metal, the carpet is green with a modern design, and the seats are upholstered in salmon plush and leather. The foyers are modernistically designed and appointed and their lighting effects are in keeping with the general scheme of decoration.

Certainly, the theater is novel. There is no ticket office, but there is, rather, a long ticket counter with the ticket rack in view of the patrons. Pretty girls, acting in the capacity of hostesses, replace the familiar doorman. The stage does not have footlights but a group of 2000-watt spot lamps located on the front of the balcony, and a battery of powerful arc projectors situated at the highest point in the auditorium, more than adequately replace them. Another striking innovation is the tiny lighting fixture attached to the back of each seat which allows any member of the audience to consult his program without disturbing anyone occupying a neighboring seat.

Lighting effects have always been one of Mr. Carroll's chief accessories and in his new theater he has stressed them more than ever before. Although the house itself is equipped with unique lighting arrangements, perhaps the most interesting electrical feature that the theater affords is the stage-lighting system and the G-E control devices governing it. Gone is the huge, bulky back-stage switchboard and its attendant corps of electricians. The G-E thyratron reactor system of control is used. Six seats have been removed from the center of the first and second rows in the theater. In this location, surrounded by a modern railing, of Allegheny metal, sits the electrician, in full evening dress. No longer a mere electrician, but instead a color conductor or director of light, he takes his place beside the leader of the orchestra. Thus, with the aid of G-E thyratron control the direction of lighting effects is brought from back-stage to a point in front of the curtain where the lighting director can see the results he produces, allowing more accurate and delicately adjusted effects. Some idea of the intensity and variety of lights employed is gained from the fact that a total of 367,000 watts is the value of all the incandescent lights used. Of this figure, 231,000 watts are for the incandescent lighting on the stage and 136,000 watts are in the house proper. In spite of the large amount of electricity involved for such a lighting project, the new G-E method of control takes but a maximum of 200 watts. In other words, the control-board does not handle large amounts of power directly, but through the medium of the electron tubes and the reactor system.

The lighting-control console resembles a desk with raised sides and back. The operator stands or sits at this console, viewing operations on the stage over the top. While one scene is taking place, he arranges the lighting set-up for the following scene and when the moment for change arrives a flick of the switch introduces the new lighting scheme, and the manipulation of knobs will vary the light as required. A black-out may be introduced between scenes when desired by a similar operation.



Earl Carroll shows some of the girls how the control panel works

Buy G-E Products

The G-E Heat Regulator

(*Continued from page 1*)

The $125 or double-range model comes with an electric timer—the same motor that is used in the G-E Electric Clock. This operates in the control box in the basement. It does away with the usual clock that must be wound regularly and occasionally runs down. It is completely automatic. Only one temperature setting is necessary—the electric timer automatically making future adjustments at the prescribed hours.

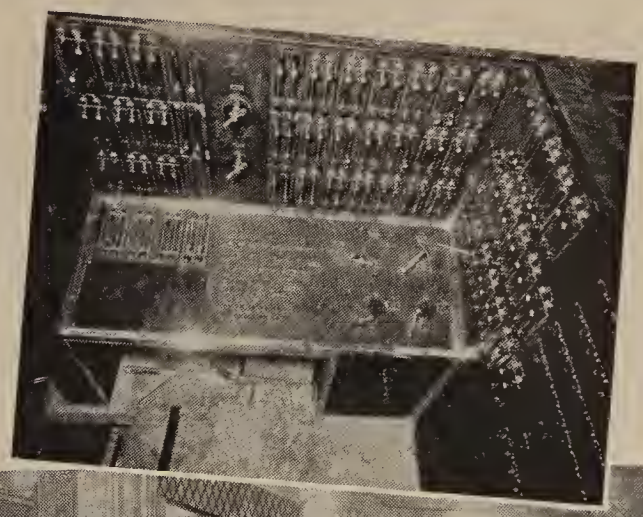
The $85 or single-range model does not have electric timing. The temperature for the day is set every morning, by hand, and if a lower degree is desired during the night, the temperature is reset before retiring.

In all other respects, both models are identical. Temperature with each is *exact*. Economy is the same—with a slight advantage for the double-range model due to its timed, automatic temperature changes.

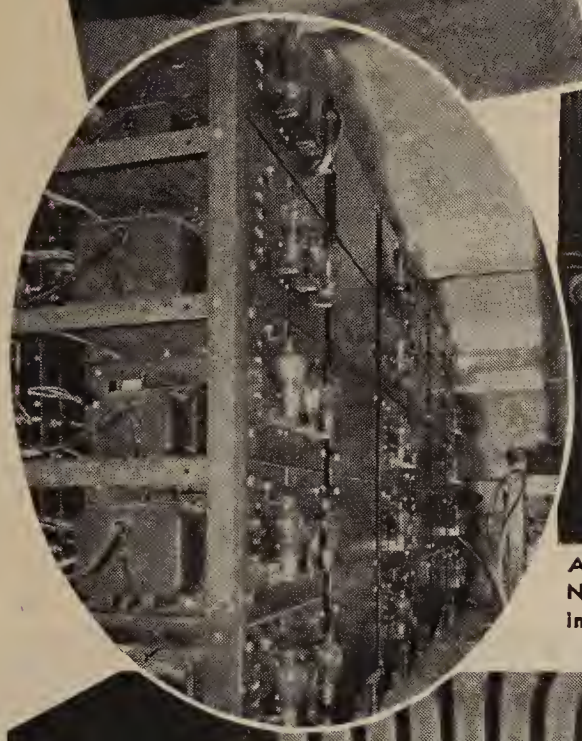
In Front of and Behind Scenes at the Earl Carroll Theatre



A view of the main lobby of the new Earl Carroll Theater



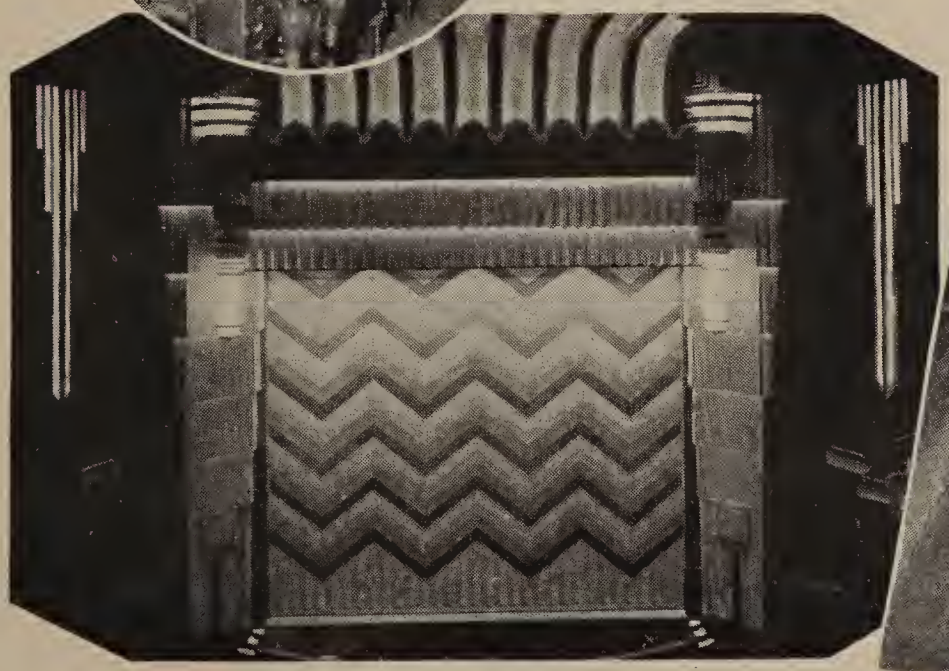
The control console





Another control panel. Note the electron tubes in front and the reactors on shelves

The lounge



The interior of the theater looking toward the stage



Earl Carroll demonstrating the operation of the control console to some of the girls in his show



The Pittsfield party "on location." *Left to right:* K. B. McEachron, Mrs. E. J. Wade, Helen Wade, Little Miss McEachron, Mrs. McEachron, E. J. Wade, D. D. McCarthy and Martin F. Beavers.



The generator set up at Willseyville. The miniature house on the top of the hill at the left, was used by Paramount movie men to show what happens when lightning strikes.

Taming Lightning

G-E Engineers Use Artificial Lightning in Series of Field Tests to Help Make Natural Lightning Harmless to Light and Power Distribution Lines

By Alex Smith

VALLEY silences at Willseyville, 10 miles below the modern college town of Ithaca, N. Y., hitherto unbroken save for the soft lowing of cattle and the clatter of mowing machines, have been shattered during the past few months by the rifle-shot reports of artificial lightning bolts and the hum of motor-generators. The natives, undisturbed for years by anything worse than college boys pleasure-bent, have had a chance to observe at first hand, scientists of the General Electric Company engaged in finding out what happens to their light and power lines when natural lightning gets off the reservation. The experience has been novel to these quiet folk, whose chief interests are dairying, and they've enjoyed it even if they have gone without light and power while the engineers pursued their studies.

It all started several weeks ago when the General Electric Company decided it was high time that some of the problems of protecting light and power distribution lines, were given closer scrutiny. For a great many years high-voltage-transmission lines have been the object of research and millions of dollars have been spent in equipment to protect these intricate systems from the ravages of natural lightning. Every possible safeguard is thrown around them, and today interruptions to service are fewer than ever in electrical history. It is not so with the distribution lines, the systems whereby low voltages are passed out to the ultimate consumer, the home-owner, the small shop, the store, the farmer, and all the other users. Comparatively slight attention has been paid to this part of the industry, despite the fact that vastly more capital is tied up in distribution systems than in transmission lines.

Hence, in a pioneer spirit, the General Electric Company in cooperation with the Associated Gas & Electric Company of Ithaca, owners of a recently completed 10-mile rural distribution line, decided to apply scientific methods to the problem. A series of elaborate and exhaustive tests making use of the latest equipment was planned, and carried out during the summer and fall. It is the first time in the history of the industry that such work has been undertaken with relation to distribution lines. Instruments and equipment involved include a portable cathode ray oscillograph—simply a tremendously high-speed camera for photographing artificial lightning—an artificial lightning generator capable of developing 1,500,000 volts, and various other delicate instruments.

The lightning generator, a mas-



E. J. Wade at the Switch



K. B. McEachron explaining lightning generator to group of newspapermen while Mr. Saxon lends an attentive ear.

sive machine mounted on a heavy trailer and made up of banks of capacitors, vacuum tubes, and other equipment was used to simulate conditions created by natural lightning. It was in operation on the line at a point about four miles from the cathode ray oscillograph. Impulses of varying pressures were flashed down the line under a variety of conditions. At the receiving end, the oscillograph recorded them in the shape of photographic negatives, to be studied later. The work required the utmost in cooperation and exact timing. It called for the zenith in accuracy. Voltages used ranged from 1500 to the capacity of the generator.

The men engaged include K. B. McEachron of the Lightning Arrester Engineering Research Staff at the Pittsfield Works of the Company, Elmer J. Wade, M. F. Beavers, and D. D. McCarthy, also of Pittsfield. McEachron and Wade were the guiding geniuses of the job. In fact, they have been called "the twins of protection." McEachron is the analyst, the typical reader of facts in graphs, charts, oscillograms and mathematical calculations. Wade, on the other hand, though a skilled electrical engineer



K. B. McEachron and Louis Saxon. Mr. Saxon is engineer for the Utility Management Corporation of New York, which with the Associated Gas & Electric Co. and the General Electric Co. conducted the experiments.

himself, has the added gift of mechanical ingenuity. This latter trait has made possible the success of the studies.

The entire expedition is self-contained. Every bit of power used is made on the spot. The oscillograms recorded are developed at the conclusion of each day's study. Many obstacles were overcome before these things could be done. For example, it was necessary that the current from the motor-generator set remain constant. Connected as it was to the power plant of the Ford truck carrying the oscillograph, there was considerable variation. Hence, Wade devised a governor for the motor which holds its speed virtually steady all during operations.

The entire party was housed in an abandoned sanitarium, four miles up in the hills. Here Mrs. Wade, wife of the man in direct charge of the party, kept house for "her four engineers" and her small daughter Helen. There were no neighbors save three miles away, and Helen walked two miles to school. Sheep grazed in the front yard. In the evening when the day's duties were done, the men developed their negatives, got out the slide rules and calculated the results. Far away up the valley, the lights of Ithaca glowed dully, and no sound was heard save the occasional bleating of a sheep just outside the door.

Thus do the "lightning missionaries" carry on, bringing the gospel of better protection right down where the man in the street can understand and know something of what it is all about.



A Striking Photo of the New George Washington Bridge which Connects New York City with New Jersey. G. E. Furnished the Lighting Units for the Roadway

"Electric Bullets"

New High-speed, Light Weight G-E Equipped Trolleys Greatly Improve Service

WHEN the Philadelphia and Western Railway Company decided to replace its old electric cars with faster and more efficient stock, it chose new streamlined cars, or "electric bullets" as they are called. The new models weigh only 50,000 pounds each and are capable of speeds between 78 and 82 miles per hour. The old cars weighed 65,000 pounds and were only capable of 45 miles per hour. Recently installed on the Norristown and Stafford line, the new cars have reduced the time schedule of the 14-mile run to 10 minutes and require only 6 minutes to reach Bryn Mawr on the Main Line Branch. Powered by GE-706 100-hp., 600-volt motors manufactured in Bldg. 6 of the Erie Works, these streamlined electric cars are the first of their kind to be placed in service in the United States. Ten of these newly designed cars, all equipped with G-E motors, will operate on this line.

These streamline cars are the result of exhaustive wind tunnel tests to determine the air resistance of models of conventional cars in comparison with streamlining. The tests revealed that with the conventional railroad car operating at speeds between 70 and 80 miles per hour, more than 70 per cent of the total power is consumed in overcoming air resistance. Approximately 20 per cent of the power required to propel the new Philadelphia and Western cars at speeds above 60 miles per hour will be saved by the streamline design.

Fast acceleration is obtained by automatic control maintaining continuous high motor currents until the car gets up to speed. The tapped field operation for high running speed is also automatic.

The low rakish lines of the new aluminum bodies with their tapered nose and tail are enhanced by a brightly polished aluminum belt rail extending entirely around the car and polished skirt extending from anti-climber to anti-climber and tapered to add to the streamlined effect. These brightly polished stripes form a sharp contrast to the maroon color with which the cars are painted.

Five new high-speed, light weight, modern interurban cars of streamline design have just been ordered by the Fonda, Johnstown and Gloversville Railroad for through service between Gloversville and Schenectady. The bodies of the cars will be streamlined, with pointed ends to reduce wind resistance, and motor-driven blowers will draw in clean air for ventilation regardless of car speed. Steel will be used for the underframe, with the upper structure made of an aluminum alloy.

Each car will weigh approximately 42,000 pounds and a free running speed of 60 miles per hour will be attained with four GE-301, 50-hp. motors. General Electric K-75 control with full safety features, suitable for one-man operation, will be used. In addition to the regular air brakes, magnetic brakes gripping the rail will be supplied.

Although the Philadelphia and Western Railway is the first to operate streamlined electric cars, they are not the first to make use of the high speed cars. During the past year fifty-five new high speed interurban cars, all equipped with motors and other electrical equipment manufactured at the Erie Works, have been placed in service in different sections of the country.



A Head-on View of One of the New Trolleys



A Side View of One of the Philadelphia and Western Railway Company's New "Electric Bullets"

The Cincinnati and Lake Erie Railroad operating between Cincinnati and Toledo was the first to install this light-weight high-speed equipment, operating ten de luxe parlor cars and ten standard passenger coaches. The General Electric electrical and air brake apparatus consists of four 100-hp. motors, automatic contactor group control, conventional air brakes, supplemented with magnetic track brakes.

In July and August of this year the Indiana Railway System operating between Indianapolis and Louisville and Indianapolis and Fort Wayne placed in operation 35 similar cars. They have almost the same equipment as the Cincinnati and Lake Erie cars and in addition contain motor-generator sets and storage batteries for car lighting purposes, thereby protecting them from trolley voltage fluctuations.

G. E. Hotpoint Rubber Heating Pads

(Continued from page 2)

household circuit is made by a cord anchored to the pad firmly enough to permit a pull of at least 100 pounds.

These pads are classified as seconds due to some minor blemish in the appearance. The grade of material, workmanship, and heating capacity, however, is the same as for those pads which are sold as firsts, and they are guaranteed for six months.

FOR SALE

Economical and Efficient

Christmas Gifts

at the

Employees Store

There are still a few days left before Christmas

Death & Disability Claims Under the General Electric Company Group Life Insurance Plan

Month of October 1931

Death Claims

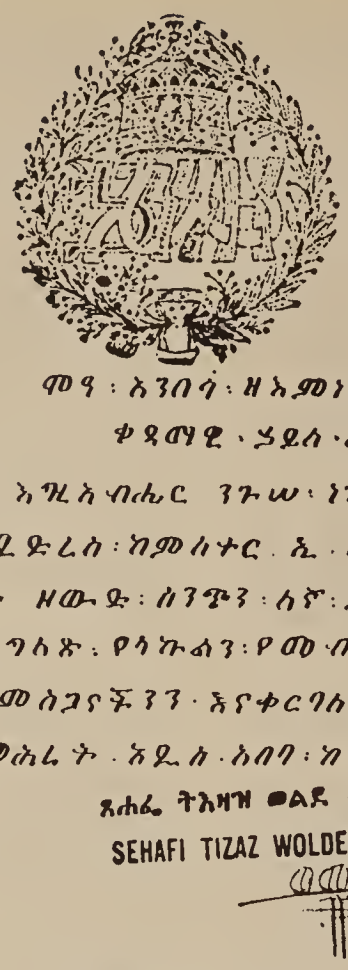
Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Beneficiary	Add'l Ins.
	1930						
Schenectady Works							
18	Sept. 10	Salvatore Malgieri	54	Pending		Estate	Yes
	1931						
8	July 22	Albert A. Johnson	35	Child	Yes	Child	Yes
24	Aug. 18	William E. Ellis	58	Children	Yes	Children	Yes
16	Sept. 12	Thomas H. Staley	66		*	Son and Grandson	Yes
15	Sept. 22	Henry T. Webster	47	Daughter	Yes	Children	Yes
30	Oct. 3	William M. Kennedy	66	Wife	Yes	Wife	Yes
4	Oct. 3	Jay B. Farrington	44	Wife	Yes	Disability	
7	Oct. 4	Oscar W. Gustafson	52	Wife	Yes	Wife	Yes
10	Oct. 10	Jacob H. Richtmyer	74		*	Son	Yes
8	Oct. 18	George D. Moore	65	Wife	Yes	Wife	Yes
River Works							
13	Aug. 1	William C. Spicer	60	Estate	Yes	Estate	Yes
12	Sept. 23	George W. Daniels	57	Wife	Yes	Disability	
31	Oct. 17	Percy S. Bailey	51	Wife	Yes	Wife	Yes
19	Oct. 17	Edward A. Trueman	59	Wife	Yes	Wife	Yes
West Lynn Works							
31	Sept. 5	Jonathan Porter	52	Children	Yes	Children	Yes
20	Oct. 24	William J. Murphy	62	Wife	Yes	Wife	Yes
Pittsfield Works							
13	Sept. 27	William E. Jones	51	Wife	Yes	Wife	Yes
Erie Works							
8	Oct. 4	John G. Ziegler	56	Wife	Yes	Wife	Yes
Fort Wayne Works							
15	Sept. 17	Ralph Campbell	50	Wife	Yes	Wife	Yes
17	Sept. 21	Clara M. Gilmore	48	Sister	Yes	Sister	Yes
Bloomfield Works							
	1929						
6	Dec. 6	Ignatz Gezenski	58	Brother	Yes		
	1931						
6	Oct. 4	Everett L. VanBrunt	47	Wife	Yes	Wife	Yes
6	Oct. 8	Frank J. Vanek	38	Wife	Yes	Wife	Yes
Merchandise Dept.							
3	Oct. 7	John Novak	44	Wife	Yes	Wife	Yes
8	Oct. 20	Stephen D. Bagley	50	Wife	Yes	Wife	Yes
General and District Offices							
3	Oct. 6	Raby R. Rountree	27	Wife	Yes	Wife	Yes
2	Oct. 10	Grace A. Corvillion	31	Mother	Yes	Mother	Yes
28	Oct. 12	Anthony Hatch	49	Wife	Yes	Wife	Yes
12	Oct. 13	Charles L. Heisler	68	Wife	Yes	Daughter	Yes
5	Oct. 18	Ernest L. Baker	22	Mother	Yes	Mother	Yes
Incandescent Lamp Dept.							
11	Sept. 29	John C. Wood	50	Wife	Yes	Wife	Yes

Employees Retired Under the Pension Plan

Schenectady Works							
36	Sept. 25	George Kihl	70			Wife	Yes
27	Sept. 28	Emmett D. Morris	75			Wife	Yes
25	Sept. 28	Alice H. Ogden	71	Husband	Yes		
29	Sept. 28	Samuel Drefs	62	Wife	Yes	Wife	Yes
20	Sept. 29	Thomas A. Titus	83	Wife	Yes		
29	Oct. 1	Walter Powles	66	Wife	Yes	Wife	Yes
28	Oct. 12	Samuel A. Murray	59	Wife	Yes	Wife	Yes
River Works							
25	Oct. 19	Charles R. Smith	52	Wife	Yes	Disability	
Pittsfield Works							
27	Oct. 16	Stanton Esmay	62	Wife	Yes	Wife	Yes

	Free Insurance No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid Month of October, 1931	35	$ 40,429.52	34	$ 62,500
Claims previously paid, 1931	261	297,106.01	271	476,000
Total Claims 10 Months, 1931	296	$337,535.53	305	$538,500

(Continued on next page)



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ቀዳማዊ ፡ ኃይለ ፡ ሥላሴ ፡
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ደ ፡ ረ ፡ ስ ፡ ካምሰተር ፡ ኤ ፡ ሲ ፡ ፓንግበርን ፤
የንጉሠ ፡ ነገሥት ፡ ዘውድ ፡ ሰንጭን ፡ ሰኖ ፡ ደሰቃትን ፡ ወዲያኑና ፡
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ያ ፡ ሰስ ፡ ደረሰን ፡ መስጋናችንን ፡ እናቀርባለን ፡ ሚደዝደ ፡ ኛዛ ፡ ቀን ፡
ፈፃሃሪዮ ፡ ዓመት ፡ መሕረት ፡ አደ ፡ ሰ ፡ ሰለባ ፡ ክተማ ፡ ሱዳረ ፡

ጸሐፌ ትእዛዝ ወልደ መስቀል
SEHAFI TIZAZ WOLDE MESKEL

The King Says, "Thank You."

The King of Ethiopia Has a G-E Refrigerator

ETHIOPIA, or Abyssinia, as it is sometimes called, is a country about which the average person knows but little. Most people remember that it is located in the northeastern part of Africa and some recall that it is very mountainous. In the lower country and deep valleys, which are extremely hot, sugar cane, cotton, coffee, and rubber are produced, while in the upper country, grain, fruit, tobacco, and potatoes are successfully grown. The people are very illiterate, education being reserved for the clergy alone, and it was only in 1923 that the slave trade was abolished.

Addis Ababa, the capital, lies inland 495 miles from the coast and is connected with Jibuti, its seaport on the Red Sea, by a small railroad line. It was in Addis Ababa, last November, that Haile Sellase was crowned King of Kings of Ethiopia. The new monarch succeeds the late Empress Waizeru Zauditu and claims descent from Solomon and the Queen of Sheba. Western civilization has made a deep impression on Haile Sellase and gradually he is surrounding himself with our conveniences. The physical nature of Ethiopia, however, makes transportation difficult and is proving a serious obstacle in the opening of the country to modern ways. The people, too, because of their illiteracy and nomadic disposition prevent the importation of up-to-date domestic and industrial improvements. For the most part, even in the capital of the country, they dwell in huts contrived of mud, somewhat similar to the adobe huts of our southwestern Indians. Yet, Haile Sellase has had some acquaintance with Western life, and under his reign the country should move forward.

When, in the midst of all the traditional pomp and ceremony of the Orient, Haile Sellase was crowned Emperor, nations of the West combined with nations of the East in extending messages of good-will to the new ruler. Besides an official message from the United States Government, a number of outstanding manufacturers in this country sent sundry articles which the U. S. minister in Addis Ababa believed that his Imperial Majesty might use and appreciate.

Among the donors was the International General Electric Company whose offering was a household type G-E refrigerator. That this appears to have been highly acceptable is indicated in a letter of appreciation received a short time ago. The letter is translated as follows:

THE CONQUERING LION OF JUDAH
HAILE SELLASE THE FIRST
THE ELECT ONE OF GOD
KING OF THE KINGS OF ETHIOPIA

May this reach Mr. E. C. Pangburn.

We extend to you Our thanks for the friendly gesture demonstrated by the token of respect which you sent Us in the shape of a Refrigerator on the occasion of Our coronation.

(Signed by the Privy Seal)

Death Benefits Paid and Disability Claims Allowed Under Insurance Plan

(Continued from previous page)

Disability Claims

Years	Date of Grant	Employees	Age	Free Ins.		Add'l Ins.
Schenectady Works						
14	Oct. 16	Renselear Esmay.....	52			Yes
Fort Wayne Works						
9	Oct. 17	William H. Link.....	48			Yes
Incandescent Lamp Dept.						
6	Oct. —	Jerry Karloth.....	37			Yes
Disability Claims granted October, 1931....					3	$5,000
Disability Claims previously granted, 1931			4	$3,500	65	101,000
Disability Claims 10 Months, 1931.....			4	$3,500	68	$106,000
Total Death and Disability Claims since Jan. 1, 1920.....						$7,765,905.08

*Free Insurance cancelled after maximum allowance for absence.

GIRLS' SECTION

Elex Club Events

Turkish Harem Party

PROMPTLY at 5 o'clock, on Nov. 17, a delicious supper was served to about 300 Elex members who gathered in Bldg. 16-2 for their regular meeting and also to enjoy the Turkish harem party. At the serving of the supper, Turkish turbans were given as favors.

Immediately following the supper period, a most interesting, as well as educational, lecture was given by Mrs. Mary Cartwright, who is a member of the Ohio State Board of Health. Mrs. Cartwright spoke briefly on the various phases of "Courtship, Marriage, and the Home." As a result of this lecture let us say that we think it would be wise for the Elex girls to be prepared for June showers.

The bizarre life of the Turkish harem, with Luella Bullerman ably playing the part of the Sultan, was most realistically portrayed in the entertainment which was next presented. As the native orchestra, composed of Pete Dannecker, Frank Elder, Robert Morris, and Howard Gocke, broke into the weird strains of a Turkish melody all of the wives and dancers sprang to their feet and danced madly. Presently each of the Sultan's wives (Irene Meyers, Bessie Brown, Lula Mae Keil, Margaret Oddou, and Monnie Fry) gave original solo dances, each one attempting to surpass the previous dancer in order to win favor with the Sultan. The Ruben (Pat Perry) was taken into custody by the Copper (Mattie Baker) for molesting the dancers. The dancers were Marjorie Baker, Alta Worthman, Dorothy Crawford, Nellie Worthman, Helen Walter, and Esther Newman. The fanners and eunuchs of the court were Cecile Meyers, Thelma Teeters, and Catherine O'Conner.

The chairman for this party was Esther Moss and with her unusual flare for the exotic surely gave us a new viewpoint on life in Turkestan.

Jail Party

A large group of Elex Club members were present to partake of the excellent supper served in Bldg. 16-2 on Dec. 1

Immediately after supper those who so desired climbed into G-E trucks or private automobiles and were taken to the Allen County jail for a tour of inspection. Sheriff Fred Lunz met the girls there and personally conducted the party through the institution. The quarters of the men and women, the juvenile division, recreation rooms, laundry, kitchen, and the sheriff's private quarters were visited, and the many features of interest were explained in minute detail. Everyone in the party appreciated the courtesy with which Sheriff Lunz received the Elex girls, but many, no doubt, left the jail with quite a little compassion in their hearts for their wayward fellowmen who are forced to remain there in residence.

Coming Events

The first meeting of Elex Club in 1932 will be held on Jan. 5 and the committee has planned a Dutch supper party. Just what a Dutch supper party might imply is rather hard to guess, but it is sure to be such a jolly party that no Elex member will want to miss it.

Plans have been made for an Elex circus to be held at the regular meeting of the Club on Jan. 19. The circus is sure to be such fun that it is quite likely every member will want a reserved ringside seat for the performance.

Gladys McMillan Hostess to a Group of Friends

ON Nov. 21 Gladys McMillan, Apparatus Division, Bldg. 19-2, entertained a group of friends at her home 2012 Fairfield Ave. Much hilarity ensued over the games of pinochle which filled the earlier hours of the evening. The surprise of the evening came, however, when a shower of lovely and useful gifts was presented to Viola Haggerty and William Starke who are soon to be married. The prizes in the pinochle games, which were won by Paul Larenitis, Corrinne Schreiner and Mabel Liggett, were also presented to Miss Haggerty and Mr. Starke.

Later in the evening, a delicious collation was served to the guests seated around small tables.

In the group were Miss McMillan, Mr. and Mrs. Fred Hoeppner, of Bluffton; Mr. and Mrs. Ross Hindman, of Waynedale; Mr. and Mrs. Fred Vassaux, Mrs. Bertha Heller, the Misses Viola Haggerty, Corrinne Schreiner, Mabel Liggett, Edith Schreiner, Paul Larenitis, and William Starke.

Weddings

Starke-Haggerty

On Nov. 24 Viola Haggerty became the bride of William Starke, the ceremony taking place at Grace Reformed church with Rev. B. E. Reemsnyder, pastor of the church, officiating.

Preceding the ceremony, a 15-minute musicale was presented by Mrs. Gaston Bailhe, organist, and Mrs. Roy Miller, vocalist. Mrs. Bailhe offered "The Indian Love Call," and The End of a Perfect Day," and Mrs. Miller, accompanied by Mrs. Bailhe, sang "I Love You Truly," and "At Dawning." During the ceremony Mrs. Bailhe played "Love's Sweet Song," and "Ah, Sweet Mystery of Life."

The bride was attended by her niece, Dolores Radebaugh, of Milan, Mich., and Arthur Nickerson, Jr., a nephew of the groom, was best man. Arthur Nickerson, Sr., brother-in-law of the groom, and Jerry Litgard, of Milan, Mich., were ushers.

Following the ceremony a wedding breakfast was served and a reception held at the new home of the couple at 1829 Kenwood Drive. Later Mr. and Mrs. Starke left on a wedding trip to Cincinnati and other points south.

Both Mr. and Mrs. Starke are employed in the Apparatus Dept., Bldg. 19-1.

Johnson-Douglas

The marriage of Virginia Douglas, an assembler in the Radio Transformer Dept., Bldg. 26-2, and Paul Johnson, of Winter Street Plant, occurred on Nov. 25. Rev. M. L. Robinson performed the ceremony which took place at the South

Wayne Baptist church. After the ceremony Mr. and Mrs. Johnson left on a short wedding trip. They are now residing at 824 Huestis Ave.

Weikart-Rush

On Nov. 26 Mrs. Lena Rush, of the Radio Transformer Dept., Bldg. 26-2, and Harvey Weikart were united in marriage. The ceremony took place in the Church of the Most Precious Blood with Rev. Basil Didier officiating. Margaret Freehill attended the bride and William Fitsgerald served as best man.

Following the ceremony a wedding breakfast was served at the Catholic Community center with covers laid for 12 guests. Later the bride and groom departed on a wedding trip to points in Canada.

Mr. and Mrs. Weikart are now at home at 2103 Andrews St.

Schmoll-Deck

Hilda Deck, Fr. Hp. Motor Division offices, Bldg. 4-6, and Karl A. Schmoll, were married Nov. 26. Rev. Msgr. Charles H. Thiele officiated at the service which occurred at St. Peter's Catholic church.

The bride was given in marriage by her father and was attended by Mary Schmoll, a sister of the groom. George McGrath served as best man.

A wedding dinner, served at the home of the bride's parents, Mr. and Mrs. J. H. Deck, 524 LaSalle St. Mr. and Mrs. Schmoll are now at home to their friends at 419 Lillian Ave.

Dettinger-Mulligan

The marriage of Eleanor Mulligan, Meter Dept., Bldg. 19-4, and LaVerne E. Dettinger was solemnized at 2:30 o'clock on Nov. 26, the ceremony taking place at the residence of Rev. C. O. Shirey, pastor of Bethany Presbyterian church, who performed the service. Mr. and Mrs. Parley Lucas were the attendants of the couple. At four o'clock in the afternoon a wedding dinner was served at the home of the groom, 2902 Reed St., and in the evening a reception was held. Later Mr. and Mrs. Dettinger left on a wedding trip. They are now at home at 2902 Reed St.

Inter-department Basketball

Opening games in the Inter-department basketball league were played during the week of Nov. 30 at the G-E Club gymnasium and furnished plenty of entertainment for a good-sized crowd of fans.

Most of the 10 teams have added new material to their squads and the majority of contests have been close and hard-fought. Small Motor vs. Winter Street, and Apprentice vs. Rotors were on the opening schedule. Refrigeration vs. Transformer, Main Office vs. Apparatus, and Squares vs. Meter completed the program for the first week.

The following teams comprise the league: Apparatus, Dick Kellar, mgr.; Apprentice, John Batzner, mgr.; Main Office, Herb Koch, mgr.; Meter, Ray Smith, mgr.; Refrigeration, Frank Schultz, mgr.; Rotors, Norman Case, mgr.; Small Motor, Wm. Weber, mgr.; Squares, Ned Chapman, mgr.; Transformer, W. E. Pohler, mgr., and Winter Street, J. R. Stephenson, mgr.

Games are played every Monday and Thursday evening, with the first game starting at 7:30 p.m. There is no admission charge to Inter-department League games and everyone is welcome.

The Company Subscribes For Many Magazines

(*Continued from page VIII*)

American Medical Association Journal
Dr. H. W. Garton

Archives of Physical Therapy
Dr. H. W. Garton

American Chemical Society Journal
Howard Miller

Bureau of Standards Journal of Research
J. J. Kline

Chemical Abstracts
Howard Miller

Daily Metal Trade
N. S. Tilman

Electrical Manufacturing
L. D. Hodell

Engineering News Record
Robert Wylie

Electrical Refrigeration News
A. F. Welch

Factory and Industrial Management
C. H. Matson and E. W. Lankenau, Decatur Plant

Fuels and Furnaces
Robert Wylie

Fuel Oil
A. F. Welch

Heating and Ventilating
A. F. Welch and Chester Lichtenberg

Heating, Piping and Air Conditioning
A. F. Welch and Chester Lichtenberg

Iron Age
N. S. Tilman

Industrial Finishing
Howard Miller

Journal of Industrial Hygiene
Dr. H. W. Garton

Journal of Industrial and Engineering Chemistry
Howard Miller

Machinery
E. W. Lankenau, Decatur Plant

Metal and Mineral Markets
N. S. Tilman

Materials, Handling and Distribution
Robert Wylie

Maintenance Engineering
H. W. Stahlhut

Product Engineering
A. F. Welch

Plastics and Molded Products
Howard Miller

RCA Radiotron Handbook
Howard Miller

Safety Engineering
Paul Grimm

The National Provisioner
Chester Lichtenberg

U. S. Daily
J. J. Kline

Welding Engineer
Howard Miller

Wire and Wire Products
H. E. Hire

General Service Division Thanksgiving Party

APPROXIMATELY 500 people were present at the first Thanksgiving party given by the employees of the General Service Division held in the G-E Club gymnasium on Nov. 24.

The plans for the party included card games and contests with prizes for the adults, juvenile games and contests with prizes for the children, motion pictures and dancing.

The prizes in the card games were won by the following: Euchre, Carl Lester and Mrs. Elizabeth Buuck, first prize, a goose each; John Schwartz and Mrs. Frank Powers, the second prize, a chicken each; N. Bachellor and Mrs. Ira Swank, third prize, one and one-half bushels of potatoes each; pinochle, W. C. Weidelman and Mrs. C. F. Miller, first prize, a goose each; Robert Kettle and Nora Barnes, second prize, a chicken each; Jesse Simon and Mrs. Henry Buesching, third prize, one and one-half bushels of potatoes each; Bunco, Forest Somers and Betty Jane Mougin, first prize, a goose each; Donald LaFountaine and Emma Arnett, second prize, a chicken each; Ray Hoke and Ruth Swank, third prize, one and one-half bushels of potatoes each.

The men's special liars' contest was won by Gene Lordier and the ladies' special liars' contest was won by Emma Arnett. The attendance prize, a large turkey, was won by Mrs. Mary Cook.

An entertainment followed the games and contests. Edna Huge gave a tap dance number accompanied by Eleanor Huge at the piano. A piano solo was presented by Gerald Buesching; William Altekruse gave a very amusing sketch entitled "The Future Man of 1999," and a moving picture, "The U. S. Akron," ended the entertainment. Dancing concluded the evening's activities. This party was greatly enjoyed by all those present.

E. J. O'Neill was chairman of the committee in charge of the arrangements and he was assisted by Walter Muehlenbruch, Oscar Beaty, Ervin Huth and Esther Newman.

JUNIORS' PAGE

Dear G-E Juniors:

There are but a few days until Christmas Eve will be here, and old Santa will be busily hurrying from place to place to pay a visit to all of your homes before you wake on Christmas morning. I sincerely hope that he will make each one of you happy by leaving at your home just the things that you want.

The Christmas picture which you will find on this page is our puzzle for December. Isn't it a happy scene? It is Christmas morning and these little children are merrily dancing around their Christmas tree. Old Santa Claus certainly has left a nice lot of presents for them. Look closely at the picture and see how many objects you can find that begin with the letter "t;" then make a list of these things and send me the list with your letter. There are 22 objects beginning with "t." We hope you can find all of them, but if you find 15 we will count your answer correct.

I received such a nice big bunch of jolly letters and answers to the puzzle in the November issue of the WORKS NEWS, and everyone of you, I believe, found the two Thanksgiving turkeys hiding between the shocks of corn where the Pilgrim could not see them. We sent prizes to Harriet Swager, Estella Schwartz, Richard Wyss, Gerald Wyss, and Thomas Kirk.

I received letters from Harriet Swager, Louis C. Swager, Jr., Celeste Schwartz, Estella Schwartz, Geraldine Fabian, Dorothy Wyss, Richard Wyss, Gerald Wyss, Betty Rose, Eleanor Schelper, Louis Webster, Thomas Kirk, Elmar Devaux, Audrey Mutschlecner, Jane Merchant, Charles Gardt, Irene Cline, Ella Fay Ogg, Donald Drake, and Donald Bohnke. Jane Merchant, Harriet Swager, and Thomas Kirk are new Juniors who wrote to me for the first time last month.

For our page this month we have this cute picture of Dorothy June Angel, whose mother, Mrs. Theresa Angel, works in the Meter Dept., Bldg. 19-4. We are always glad to have such pictures for our Juniors' Page and I hope that others among my Juniors may be able to send in some pictures of themselves for our Juniors' Page.

I'll be anxious to know what Old Santa did bring you, so don't forget to write and tell me. Also, don't forget about the big G-E Club Christmas party for all G-E Juniors tomorrow afternoon, Dec. 19. I suspect your father or mother has told you all about it and perhaps has brought you a ticket that will admit you to one of the shows, but I just want to remind you that the party will be held in the G-E Gym





Dorothy June Angel

and while there are three different shows, one at ten o'clock in the morning, another at one o'clock in the afternoon and the last one at three o'clock, you must come to the show for which your ticket is marked. I hope that every one of you will attend this party and will have just the best time ever.

I wish each one of you a Merry, Merry Christmas.

Yours sincerely,

Jill

Brenner and Vaught Discuss Punch and Die Mfg.

MEMBERS of the G-E Apprentice Alumni Association considered the subject "Design and Manufacture of Punches and Dies" at their educational meeting held in the assembly room of the Works restaurant, Bldg. 16-2, on Nov. 30. C. A. Brenner, design section of the Tool Division, presented the paper on this subject and Walter Vaught, Tool Making Dept., led the discussion. Mr. Brenner in his paper explained the refinements in die design to secure high utilization of material and low maintenance cost. As Mr. Brenner and Mr. Vaught are both highly conversant with the subject of punches and dies, the meeting offered a rare opportunity for the association members to learn much of the practice in the General Electric in designing and building these important tools. This was the tenth in a series of 16 meetings in which apprentice graduates tell of their work for the information of the other members of the association.

» » » Athletics « « «

G-E Club Basketball

The G-E Club opened its season Nov. 25 ,with a victory over the House of David five from Buffalo, N. Y. The bearded tossers failed to live up to their heralded strength and the G-E five had little trouble in disposing of the easterners. The club opened up with an offensive, featuring Boots on the pivot play and the former Purdue star crashed through with eight baskets and a trio of free tosses for scoring honors for the evening. The locals practically cinched the contest in the first half, piling up a 24 to 8 lead at the rest period. Fisher and Florent, two newcomers to the squad, were given an opportunity to perform during the second period and fit in fine with the club's style of play. Both boys are comers and much more will be heard of them in the future.

G-E Club 37-Detroit M.C. 20

The G-E Club five opened up its National Industrial Basketball League schedule Wednesday, Dec. 2, with a 37 to 20 win over the strong Michigan Central Railroad five of Detroit. The railroaders started strong and played on even terms with the locals during the first period, chiefly through the one-man show staged by one Jim Barham, former noted Y.M.C.A. star. The giant center scored four baskets and a pair of free throws for 10 of the visitors 13 points during the first period. The locals, however, kept him covered pretty well during the second period by shifting Boots to guard him. leaving Slack free to score and the G-E pivot man responded with three baskets and a pair of free tosses. The locals continued to pile up a lead and early in the second period left the visitors hopelessly behind.

George Boots is leading the G-E five in scoring due to a big night against the House of David. The former Purdue star has a total of 25 points from 11 baskets and three free throws. Evard follows with 7 baskets and a pair of free throws. The individual scoring of the players follows:

	G	FG	FT	Total	PF
Boots	2	11	3–6	25	8
Evard	2	7	2–5	16	0
Spahr	2	6	1–3	13	4
Holmes	2	4	1–2	9	4
Slack	2	3	2–3	8	7
Fisher	2	1	0–0	2	0
Florent	2	0	0–0	0	0

The season ticket sale conducted by the G-E Club for the first half of the basketball schedule has proven a very decided success. Due to a limited seating capacity the number of tickets available was set at 1000 and all but a few of these have been disposed of. The seating capacity of the gymnasium has been taxed to the utmost and it has been necessary to add seats in every availabe space. The management has been extremely gratified at the attendance at all of the games so far and hopes it will continue the balance of the season.

Some excellent attractions have been booked for the next few weeks but due to the fact that the other teams in the league are not starting until after the first of the year no other league games will be played here until the middle of January. The games booked are as follows:

Dec. 9 Olsen's Swedes
Dec. 16 G & J Tires of Indianapolis
Dec. 22 Cincinnati Big "4."

Inter-department Volleyball

The Fractional Motors Dept team is continuing to hold the lead in the Inter-department volleyball league with straight victories and although the season is young they are expecting to maintain their last season's championship record.

Main Office, Winter Street and Transformer teams are making a bid for leading places in the league standings, and Meter, Small Motor, Tool Specials and Apprentice teams are adding enough victories to keep in the running.

Games are played every Tuesday and Friday evening in the gymnasium, and final games in the first round are scheduled for Dec. 22.

TEAM STANDINGS

	W	L	P.C.
Frac. Motors	9	0	1.000
Main Office	8	1	.889
Winter Street	9	3	.750
Transformer	5	4	.556
Meter	5	7	.417
Small Motor	2	10	.167
Tool Specials	2	10	.167
Apprentice	2	7	.222

G-E Club Juniors Basketball

The G-E Club Juniors opened the season with a victory over the Fort Wayne Piston Service team, making an impressive showing in their initial contest.

Five of last year's regulars, Earl Strouse, Bob Hunt, Glenn Staight, Babe Trentadue and Francis Richards, are on the squad this season. Bill Schible, at forward, and Elmer Paul, filling the pivot position, are new players but they fit in with the team like veterans.



THE G-E CLUB BASKETBALL TEAM

Left to right: Lindemuth, manager, Holmes, Fisher, Boots, Slack, Spahr, Florent and Evard

The Juniors will meet a number of high-class teams in the preliminary games at the G-E Club and hope to maintain their splendid record of previous seasons.

About Golf

For several years a record has been kept of the performance of our G-E golfers in their tournaments and perhaps the following figures and comments might be interesting reading for the boys while they are playing their rounds of par golf this winter in the Hot-Stove leagues.

The following tabulation shows the number of entries and some other figures of the last two tournaments:

	Elks Club, 1930	Brookwood, 1931
Number of entries	53	148
Total strokes	5642	16150
Average strokes	106	109
Scores below 100	16	33
Scores below 95	6	17
Scores below 90	1	1
Scores below 85	1	1

The composite scores indicate that the average golfer seldom, if ever shoots under 100.

At first glance the average score of 106, for 1930 and the average score of 109 for 1931, would indicate that as a body of golfers we are slipping. It should be understood, however, that the entries at the Elks course last year represented a smaller but more experienced group of golfers than the large entry list we had this year at Brookwood. The score below 85 in both instances was made by the same individual.

One would hardly think that 16,150 blows were struck in the tournament this year, and it is perhaps fortunate that the number of slices, hooks, and other errors that vex our souls, were not recorded.

However, it is rather encouraging to know that the composite golfer in the recent tournament could average only six strokes per hole, so every time a player gets a five he can figure he is getting better than the average score on any hole. This statement seems extreme but is actually borne out by the figures and should encourage all of us considerably.

S. C. Newlin, chairman of the Boxing and Wrestling Committee of the G-E Club, who served as tournament committee chairman, offers the above data and analysis.

Laurel "Red" Fenwick, Winter Street, joined the hole-in-one class when he recently sank his tee shot on the first hole of the International Harvester course while playing in a mixed foursome. "Red" used to talk a lot of basketball, but golf is his main topic now.

G-E Club Sponsors Rifle and Pistol Sport

About 15 years ago, a finely appointed indoor rifle and pistol range was established in the basement of Bldg. 6 to serve as an indoor range for the Fort Wayne Rifle and Revolver Club, of which many G-E employees were active members.

The range was equipped with heavy steel back stops, carefully designed lighting and trolley type target carriers. This five-target range served as the official indoor range of the Fort Wayne Rifle and Revolver Club until two years ago, when, because of its increased membership, that club arranged for the use of the two four-target ranges at the National Guard Armory on Clinton Street.

Eight years ago, J. E. Hall, one of our most enthusiastic devotees of the shooting game, arranged to use the local range on evenings when it was not in use by the Fort Wayne Rifle and Revolver Club, and organized what was known as the G-E Rifle Club, an unofficial organization having no dues, with Mr. Hall serving as executive officer and coach. The object of the club was to teach novices the art of rifle and revolver shooting, the principles of the game, and enable them by regular practice to become adept in the sport. Going along in a very quiet way, approximately 50 to 60 employees have been partaking of this sport every season.

Starting this season, the G-E Club will sponsor and promote rifle and revolver shooting, including the activity with the other organized sports. Mr. Hall has been appointed to continue as range officer and coach in charge of the activity, and will have full charge of the indoor range in Bldg. 6. It is planned to have two evening classes each week for rifle firing and one evening for pistol practice, and anyone interested in keeping in practice, or who may want to learn the art of marksmanship is invited to come regularly on the scheduled evenings.

During the first few weeks Mr. Hall will give a course of instruction on small arms firing similar to the school course at the National Matches at Camp Perry. Mr. Hall has attended this class for each of the past four years and has been awarded certificates as instructor in both rifle and pistol shooting. That he is capable of demonstrating the correct principles in shooting small arms is borne out by the fact that he qualified as expert rifleman in 1920, won the N.R.A. members' medal in the Fort Wayne Rifle and Revolver Club match in 1918, the President's Cup match in 1920, and brought back a sharpshooter's medal from the Indiana Bankers Association match held at Fort Benjamin Harrison in September of this year.

When the G-E marksmen get in good practice it is expected that matches will be organized as in other G-E Club sports and a very active and enjoyable season is contemplated for rifle and revolver shooting enthusiasts.

G-E Teams Take Second and Third Places in Small Bore Rifle Match

The G-E Club entered two three-men teams in the small bore rifle outdoor match initiated by the Men's Club of the General Cables Corporation in presenting a cup as trophy for an annual city-wide Industrial and Commercial rifle match. The first annual match was held at the Gillie farm range, East State Street extension, on Nov. 8, and teams were entered by General Cables, G-E Club and the Wayne Knitting Mills.

General Cables team No. 1 won the match with a score of 1152 points out of 1200 possible. G-E team No. 1, composed of J. F. Houck, Bldg. 19-5, C. R. Atkinson, Bldg. 19-3, and B Gerardot, took second place with a total score of 1133. G-E team No. 2, which took third place with a score of 1116 points, was composed of L. W. Griffith, Bldg. 4-3, J. E. Hall, Bldg. 18-5, and O. R. Griffith, Bldg. 19-2. The Wayne Knits were fourth with 1114 points. General Cables team No. 2 did not finish the match. L. W. Griffith, G-E No. 2, made the highest individual score of the G-E shooters, 381 out of 400 possible points.

Bowling

Girls' League

Team Standing

	W	L	Ave.
Paris	12	6	714.17
Cooney Bayer	10	18	719
Coco Cola	10	18	712.10
Alter Bros.	10	18	701.14
Scheele Nehi	6	12	693.2
Vogue	6	12	684

Name	GP	Ave.
Rubey	18	180.16
Etzler	18	175
Rump	18	173
Kopp	18	168.6
Lackey	18	164.13
Hueber	15	153.4
Weitfeldt	18	152.7
Fuhrman	18	149.13
Kramer	12	149.7
Hockemeyer	18	149
James	18	147.3
Fox	15	144.3
Moss	18	143.8
Bauman	15	141.8
Nash	9	138.8
Spath	18	138.5
Brandt	15	136.14
Brady	18	137.12
Knock	18	135.11
Stirk	18	134.10
Walbaum	12	130.7
Grimme	15	126.2
Martin	15	124.4
Bond	12	121
Hopp	15	103.1
Bauer	15	76.6

High Individual Score

One Game		Three Games	
Kopp	30	Etzler	571
Kramer	219	Weitfeldt	570
Rubey	211	Rubey	568

High Team Score

Alter Bros.	879	Cooney Bayer	2403
Cooney Bayer	860	Vogue	2371
Vogue	827	Paris	2286

Meter League

Team Standing and Average

Team	W	L	Pct.	Ave.
Gears	21	6	778	828.10
Jewels	16	11	593	818.11
Terminals	16	11	593	808.21
Bases	15	12	556	831.21
Pivots	14	13	519	836.14

Registers	14	13	519	808.24
Leads	13	14	481	820.03
Elements	13	14	481	802.19
Discs	11	16	407	814.03
Magnets	11	16	407	791.14
Covers	10	17	370	824.18
Seals	8	19	296	790.12

INDIVIDUAL AVERAGES

Name	GP	Ave.
Jackson	27	212.00
C. Rump	27	190.05
Haberkorn	24	132.01
Lawrence	27	181.08
Bushing	24	181.08
Snyder	27	181.02
Allen	27	180.12
Blomberg	27	180.05
Dreyer	27	178.14
Voorhees	27	178.00
E. Kammeyer	27	177.14
Weick	24	176.02
Wood	27	175.19
Hueber	27	175.13
Tennison	24	171.08
Trautman	27	169.15
Evans	21	169.06
V. Rump	27	169.02
Schoenlein	27	168.26
Fisher	27	168.15
Heine	24	167.02
Nieman	27	166.21
Hambrock	27	166.20
Knock	27	166.12
Geisler	27	165.03
Greek	27	164.17
Niemeyer	27	163.19
Thompson	24	163.14
Schwartz	27	163.00
Rodenbeck	27	162.21
Castor	18	161.07
Fagg	21	161.03
Laubenstein	27	160.05
Gardt	15	159.02
R. Kammeyer	27	158.03
Winstel	24	158.03
Payton	24	157.22
Sexton	24	156.10
F. Kammeyer	24	156.04
Caston	27	156.02
Molthan	27	155.25
Hermely	27	155.05
Spade	27	154.21
Ridgley	27	153.19
Beitel	27	153.13
Holden	27	152.20
Moellering	27	152.09
Witherow	24	152.03
Todd	24	152.00
Schoehlein	27	151.14
Schafenacker	27	150.15
Didier	27	150.01
Steup	27	149.00
Koehlinger	27	148.15
George	24	148.03
McCoy	24	145.18
Payne	27	145.14
Eylenberg	27	143.26
O. Kammyer	27	140.21
Comer	24	135.18

HIGH INDIVIDUAL SCORE

One Game		Three Games	
C. Rump	264	Jackson	750
Jackson	259	C. Rump	662
Trautman	255	E. Kammeyer	627

HIGH TEAM SCORE

One Game		Three Games	
Pivots	951	Gears	2686
Discs	946	Bases	2676
Registers	943	Covers	2633

Wire and Insulation League

TEAM STANDING

	W	L	Ave.	Pct.
Wire	16	8	815.11	.667
Insulators	12	12	813.18	.500
Rollers	12	12	811.20	.500
Paper	8	16	782.18	.333

HIGH TEAM SCORE

One Game		Three Games	
Insulators	971	Wire	2660
Rollers	919	Insulators	2634

HIGH INDIVIDUAL SCORE

One Game		Three Games	
J. Hambrock	245	J. Hambrock	640
Blust	229	DeWitt	610
A. Hambrock	229	Buckles	599

INDIVIDUAL AVERAGES

Name	GP	Ave.
J. Hambrock	24	189.9
DeWitt	23	173.2
Cowell	24	171.1
Braden	20	170.14
Lallow	24	167.19
Buckles	24	166.15
Blust	24	165.19
Saaf	24	16 .8
A. Hambrock	24	161.
Glenn	21	160.13
Gardt	24	160.11
Grueb	18	159.16
Schultz	24	158.9
Girardot	24	156.9
James	24	153.23
Hire	6	145.2
Snyder	23	144.21
Swif	24	139.16

Transformer League

INDIVIDUAL AVERAGES

Name	GP	Ave.
Kopp	21	199.3
Cox	21	191.11
Tagtmeyer	21	181.12
Cook	20	179.11
Schlatter	21	172.19
Gallmeyer	21	170.5
Meeker	21	168.15
Kronmiller	18	167.12
Fryback	21	165.6
Zelt	21	162.10
Staehle	18	161.8
Leitz	21	159.17
Richey	15	159.10
Fultz	18	158.16
Sommers	21	158.8
Chadwick	21	158.3
Schurenberg	21	157.20
Magers	21	157.3
Pohler	21	153.17
Rice	12	153.6
Elward	21	152.17
Parker	21	150.5
Stonehill	21	148.13
Bradley	21	146.9
Law	21	144.10
Vance	15	144.8
Oosterling	21	143.19
Tuttle	21	143.19
Rowley	21	143.15
Chapman	21	141.20
Morkoetter	18	141.3
Wickliffe	17	136.16
Moyer	21	135.10
Thomas	12	133.10
Garta	21	132.11
Hansel	21	131.6
Gildea	19	127.18
Owens	21	126.2
Hanauer	19	125.0
Valentine	21	121.1

TEAM STANDING

Team	W	L	Pct.	Ave.
Oil Testers	8	4	.667	812.6
Ignitions	8	4	.667	779.5
Radios	8	4	.667	763.7
Capacitors	7	5	.583	804.7
Sign Lighters	7	5	.583	762.6
Bells	6	6	.500	792.7
Toys	2	10	.167	747.10
Potentials	2	10	.167	740.11

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Kopp	247	Kopp	665
Schurenberg	244	Cook	648
Gallmeyer	240	Cox	626

HIGH TEAM SCORE

One Game		Three Games	
Capacitors	932	Oil Testers	2606
Radios	915	Capacitors	2514
Oil Testers	901	Bells	2467

Apparatus League

TEAM STANDING

	W	L	Pct.	Ave.
Coils	17	7	.708	.809
Frames	14	10	.583	.778
Switchgear	14	10	.583	.770
Test	13	11	.542	.793
Engineers	13	11	.542	.780
Fields	12	12	.500	.792
Bases	12	12	.500	.792
Armatures	11	13	.458	.776
Cost	10	14	.417	.766
Brackets	4	20	.167	.765

INDIVIDUAL AVERAGES

Name	GP	Ave.
Schafer	6	199.3
Hoke	24	191.20
Blomberg	24	185.3
Huge	24	182.6
Reese	24	180.14
Larenitis	18	178.11
Johnson	21	177.15
Laisure	24	177.10
Borchelt	24	171.10
Cunningham	21	170
Foulks	12	169.9
Zeig	24	169.6
Plaisted	24	169.5
Zollinger	24	166.7
Starke	24	165.9
Kellogg	21	165.9
McDougal	24	164.3
Ulmer	24	162.17
Whonsettler	24	162.6
Kaade	24	161.23
Rinehold	24	160.17
E. Braun	24	158.22
Seitz	18	157.16
Koch	21	157.10
Spiker	18	157
A. Braun	24	156
Downie	24	155.16
Crowe	21	154.14
Cooper	24	154.10
Wallace	21	153.8
Staley	24	153.5
Henry	24	150.18
Head	21	149.19
Grover	24	149
Wehrs	23	148.21
Weikart	24	148.3
Brown	24	146.15
Prince	18	144.8
Hickman	24	144.5
Bohn	24	143.22
Mompers	24	143.19
Kent	18	141.1
Hageman	24	140
Rogers	24	139.2
Goggin	24	138.10
Strodel	18	138.10
Stough	21	137.4
Brenner	24	127.21
Kellermeyer	24	124.8
Hadley	15	106.5

HIGH IND VIDUAL SCORE

One Game		Three Games	
Hoke	266	Hoke	637
Whonsettler	256	Schafer	621
Starke	255	Blomberg	604
		Reese	604

HIGH TEAM SCORE

One Game		Three Games	
Fields	933	Coils	2671
Switchgear	930	Bases	2592
Coils	916	Fields	2570

Small Motor League

TEAM STANDING

	W	L	Ave.
Bases	3	1	920
Fields	3	0	875
Flanges	2	1	879
Brushes	2	1	854
Leads	2	1	840
Coils	1	2	854
Springs	1	2	841
Armatures	1	2	828
Commutators	0	3	853
Nameplates	1	3	831

INDIVIDUAL AVERAGES

Quinn	30	197-12	Lash	30	161-26
McKering	3	187-2	Wyss	30	161-5
Franke	30	186	Bushong	30	161-3
Cochoit	30	183-16	Hoffman	27	160-13
Nicole	30	181-13	Stute, A	30	160-12
Joseph	30	180-19	Kline	30	160-7
Lindemuth	27	179-5	Kleemeyer	24	159-23
Rapp	27	177-23	Archer	24	159-17
May	30	177-3	Hott	30	159-5
Kromm	30	173-4	Koogle	30	158-1
Ponsot	21	171-10	Hartman,G.	21	156-19
Brooks	30	170-28	Gitter	30	156-6
Tobias	27	170-6	Mailand	30	154-24
McCullough	30	169-13	Geller	27	154-20
Hamilton	24	168-13	Kroeger	24	153-22
Hemphill	24	167-18	Stute, E.	27	152-21
Wilson, V.	27	167-4	Lemper	27	151-3
Szink	9	167-3	Graham	30	150-5
Byrne	15	167	Marsh	30	148-7
Stahl	21	165-4	Auer	30	146-19
Ranck	24	164-16	Hartman,M.	30	145-26
Rose	27	164-6	Batson	30	143-10

Miller	27	163-5	Archbold	30	140-1
Larimore	30	162-29	Wilson, F.	27	135-15
Meyer, J	30	162-4	Prince		

HIGH INDIVIDUAL SCORE

Nicole	242	Nicole	637
Cochoit	224	Cochoit	606
Rapp	218	Rapp	586

HIGH TEAM SCORE

Bases	963	Bases	2760
Flanges	910	Flanges	2636
Coils	893	Fields	2624

Formen's League

TEAM STANDING

	W	L	Ave.
Transformer	14	4	889
Water Cooler	12	6	858
Small Motor	11	7	867
Refrigerator	10	8	871
Meter	10	8	870
Wire and Insul	6	12	858
Tool Supply	6	12	854
Duplex	3	15	838

INDIVIDUAL AVERAGES

Foellinger	15	178-13	Rockhill	15	157-8
Kelsey	15	177-10	Herney	18	154-7
Schwartz	18	177-2	Weitzman	15	154-6
Schild	12	176-7	Thiele	18	152-16
Rekers	15	175-14	Hermely	18	147-5
Tobias	12	175-2	Sordelet	18	146-16
Haberkorn	18	173-15	Holloway	6	146-1
Skevington	18	171-17	Gollmer	18	144-7
Bell	18	171-16	Knocke	18	143-14
Schafenacker	18	169-16	Glusenkamp	18	143-11
Bennigan	15	169-7	Kruge	15	143-4
Bunting	18	169-4	Wickliffe	18	142-9
Peterson	18	165-12	Klingman	15	142-1
Hall	15	165-11	Anderson	9	138-7
Prince	15	164-3	Sivits	15	138-1
Platt	18	162-7	Wyss	18	137-16
Kissinger	18	159-9	Banks	18	135-17
Overlin	15	159-2	Renfrew	18	132
Kammeyer	18	158-5	Simpson	15	125-10
McAtee	18	157-12	Miller	18	122-11

HIGH INDIVIDUAL SCORE

Rekers	266	Rekers	643
Skevington	235	Kelsey	617
Bell	233	Schafenacker	595

HIGH TEAM SCORE

Meter	999	Transformer	2772
Transformer	977	Water Cooler	2768
Refrigerator	959	Meter	2758
Water Cooler	944	Small Motor	2749

Building 21 League

TEAM STANDING

	W	L	Ave.
Employees' Rating	17	7	619
Medical	16	8	596
Wage Rate	12	12	595
Employment	3	21	550

INDIVIDUAL AVERAGES

Waldschmidt	21	175-14	Melching	24	147-8
Einsiedel	24	174-22	Bullerman	18	144-5
Garton	24	172-9	Bauman	24	140-8
Witte	21	170-19	Ranch	21	139-6
Arnold	18	162-8	Nash	15	137-3
Freeman	21	154-20	Rastetter	15	131
Hoffman	21	154-8	Miller	21	125-10
Fox	18	149-6	Fisher	21	73-18

HIGH INDIVIDUAL SCORE

Garton	225	Witte	597

HIGH TEAM SCORE

Wage Rate	707	Empl. Rating	1988

Inter-department League

TEAM STANDING

	W.	L.	Pct.	Ave.
Fire Dept	14	7	667	917
Small Motor	13	8	619	904
Athletic	11	10	524	915
Transformer	10	11	476	812
Meter	9	12	429	935
Refrigeration	6	15	286	885

INDIVIDUAL AVERAGES

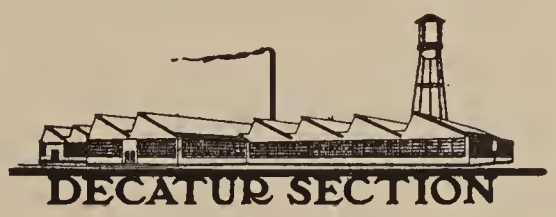
Jackson	21	209	Daley	15	182
Auer	18	208	Franke, H.	21	181
Harkey	18	197	Kammer	21	179
Kammeyer	9	197	Bennigan	3	178
Einseidel	3	195	Franke, W.	18	178
Zurcher	9	194	Hickman	6	177
Cox	21	190	Seymour	18	177
McAtee	21	190	Schwartz	9	177
Orff	21	188	Saaf	21	176
Bryan	18	187	Yoder	12	175
Quinn	21	186	Hoke	21	174
Rump	21	186	Hueber	21	173
Tagtmeyer	21	185	Sclotter	12	172
Luedeman	21	185	Barney	12	171
Bushing	21	184	Hambrock	3	169
Kopp	18	184	Plaisted	18	169
Stone	21	183	Mettler	18	164
Dewitt	3	183	Greek	12	163
Huber	21	182	Schafenaker	6	162

HIGH INDIVIDUAL SCORES

One Game		Three Games	
Jackson	290	Jackson	755
Auer	258	Auer	691
Kammeyer	256	McAtee	676

HIGH TEAM SCORES

One Game		Three Games	
Fire Dept	1079	Meter	3013
Meter	1062	Fire Dept	2935
Athletic	1013	Athletic	2893



G-E Club Party

THE members of the G-E Club and their families enjoyed a card party in the club rooms of the local plant on Nov. 20. About 70 people were present.

Bridge, rhum and pinochle were played and prizes were awarded at the conclusion of the games. The bridge high-score prizes were awarded to Mr. and Mrs. Frank Geary. Erna Lankenau and Carl Smith received second prize. In pinochle Mrs. Francis Howell and Alva Buffenbarger were high and Mrs. Ralph Stanley and Francis Howell received second prize. In rhum, Catherine Eady and Charles Miller received high-score prizes, and Helen Jean Kohls and Raymond McDougal the prizes for next high score.

Ice cream drumsticks were served by the committee in charge—Ethel Tumbleson, Olive Waltera, Alta Brown, Floyd Enos and Tilman Gehrig.

The Gecode Club Holds Interesting Meetings

TWENTY-EIGHT members of the Gecode club attended the meeting held in the social rooms of the Plant, Nov. 9. This was the second meeting of the season and fall decorations were used. A three-course chicken dinner was served, the hostesses being the new officers of the organization: Kathryn Hyland, Fern Paswater and Lorena Reppert. Following the dinner, games of bridge and hearts were played. Fern Passwater and Olive Walters received the prizes in bridge and Dorothy Johnston and Clara McBride were the winners in hearts.

At the regular business meeting, which was held during the evening, one new member, Erna Weiland, was taken into the organization and committees were appointed and plans made for a Thanksgiving dinner.

At the Gecode Club annual Thanksgiving dinner on Nov. 23, 27 members were seated at one long table, which was artistically decorated with yellow chrysanthemums. A delicious turkey dinner. was served by the committee in charge—Mrs. Margaret Miller, Esther Debolt and Lois Ogg.

After the dinner a short business meeting was held and then games of bridge and hearts were played. The prizes in bridge were won by Kathryn Hyland and Fern Passwater. The prizes in hearts were won by Mrs. Marie Brandyberry and Esther Debolt.

Election of M.B.A. Officers

THE recent election of officers for the M. B. A. Sections at Decatur Plant resulted as follows:

Section 27: chairman, Carl Smith; vice-chairman, William Lindeman; sec.-treas., Fern Passwater; directors, two years, Jack Teeple; one year, Martin Braun.

Section 28: chairman, Charles Langston; vice-chairman, Solomon Lord; sec.-treas., Olive Walters; directors, two years, Ulysses Woods; one year, Raymond Crist.

These officers will have charge of local M. B. A. affairs during the year 1932.

Personal Items of Interest

Tony Lammert, Mechanical Maintenance Dept., is a patient at the Adams Co. Memorial Hospital where he is being treated for an illness resulting from a generalized infection.

Alice Ann is the name of a baby girl born to Mr. and Mrs. Charles Langston at the Adams Co. Memorial Hospital on Nov. 11. Mr Langston is foreman of the Inspection Dept. of the Decatur Plant.

Service Anniversaries for December

Fort Wayne Plants

Twenty-five Years

J. H. Gargett - - - - December 12, 1906
Clarence A. Hartman - December 17, 1906
William Starke - - - December 24, 1906
Hubert A. Pequignot - December 26, 1906
Christine Grosswege - December 26, 1906

Twenty Years

Lloyd D. Platt - - - December 4, 1911
Max E. Brand - - - December 4, 1911
Carl E. Pape - - - - December 19, 1911
Henry W. Bruggeman - December 28, 1911

Fifteen Years

Edwin A. Keegan - - December 4, 1916
Herman Kroehl - - - December 4, 1916
H. Ross - - - - - December 4, 1916
William A. Kimmell - - December 6, 1916
Robert W. Schultz - - December 11, 1916
Brice J. Hamilton - - December 18, 1916
George Sherrard - - - December 19, 1916

Ten Years

Norbert B. Meyer - - December 1, 1921
Harry Grimm - - - - December 5, 1921
Edwin L. Moodie - - December 15, 1921
Dorothy W. Shelly - - December 27, 1921

Decatur Plant

Ten Years

Martin Braun - - - December 2, 1921
Clarence Hoblit - - - December 6, 1921
Edyth Bucher - - - - December 16, 1921
Lloyd V. Baker - - - December 16, 1921
William Strahm - - - December 20, 1921